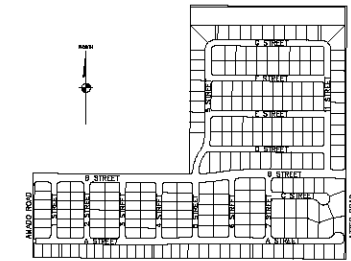


# IMPROVEMENT PLANS FOR RHODES HOMES ARIZONA, LLC AZTEC AT CHUAR TRACT #

A PORTION OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST,  
GILA AND SALT RIVER MERIDIAN,  
MOHAVE COUNTY, ARIZONA



KEYMAP  
SCALE: 1"=660'

## ENGINEERS ESTIMATED QUANTITIES

### SEWER

ITEM	QUANTITY
8" P.V.C. SEWER LINE	12,065 LF
48" DIA. SANITARY SEWER MANHOLES	45 EA
4" SEWER LATERAL	231 EA

### STORM DRAIN

ITEM	QUANTITY
18" CMP STORM DRAIN	1,000 LF
24" CMP STORM DRAIN	80 LF
54" CMP STORM DRAIN	82 LF
48" DIA. STORM DRAIN MANHOLE	5 EA

### WATER

ITEM	QUANTITY
8" PVC WATER LINE	14,850 LF
8" GATE VALVE	44 EA
8" 11.25' BEND	6 EA
8" 22.5' BEND	4 EA
8" X 8" X 8" TEE	44 EA
FIRE HYDRANT ASSEMBLY (INCLUDES 8" GATE VALVE)	32 EA
8" CAP W/2" BLOWOFF ASSEMBLY	4 EA
3/4" WATER METER	231 EA
1" WATER LATERAL	231 EA

### STREETS

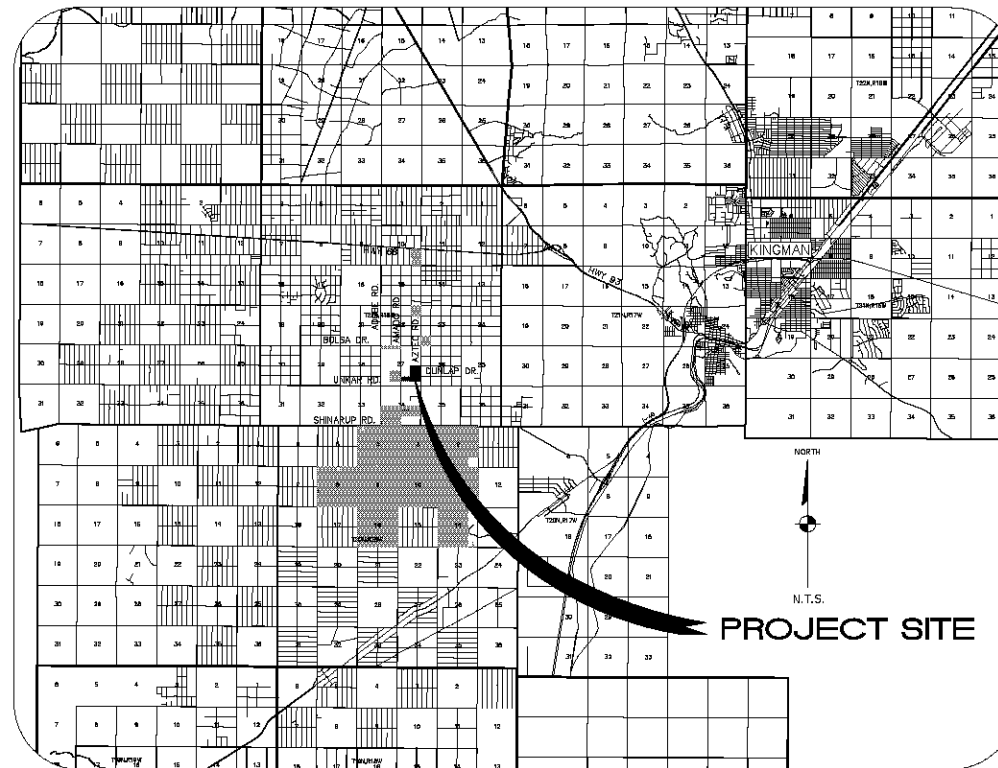
ITEM	QUANTITY
EXCAVATION	109,900 CY
EMBANKMENT	95,100 CY
A.C. PAVEMENT	5,485 CY
TYPE II AGGREGATE BASE	13,950 CY
STREET NAME SIGN	780 EA
STOP SIGN	780 EA
SPEED LIMIT SIGN	780 EA
NO PARKING SIGN	780 EA
CURB & GUTTER	27,500 LF
SIDEWALK	74,204 SF
VALLEY GUTTER	13,337 SF
STREET LIGHT AND POLE	780 LF
STREETLIGHT CONDUIT	780 LF
SURVEY MONUMENTS	780 EA

NOTE: QUANTITIES SHOWN ARE APPROXIMATIONS ONLY.  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR  
CALCULATING THE EXACT QUANTITIES.

## GENERAL NOTES

FLOOD ZONE DESIGNATION:	FEMA-X
TOTAL ACREAGE:	.81
TOTAL LOTS:	231
AVERAGE LOT SIZE:	8,217 S.F.
MINIMUM LOT SIZE:	7,150
DENSITY:	3.01 D.U./ACRE
LAND USAGE AND ZONING:	RD
CURRENT LAND USAGE:	RD
PROPOSED LAND USAGE:	RD
PROPOSED ZONING:	RD
COMMON ELEMENT:	6.05 ACRES
PARK, DRAINAGE AREAS	

GEOTECHNICAL EVALUATION BY: SCOTEX, INC., 6835 ESCONDIDO TRAIL,  
SUITE A, LAS VEGAS, NEVADA 89119, (702) 897-1424, FAX (702)  
897-2213. REPORT DATED MARCH 25, 2005, PROJ. NO. 5926-LV8



VICINITY MAP  
NTS

## SHEET INDEX

SHEET NO.	DWG. NO.	DRAWING TITLE
1	CI	COVER SHEET
2	NOTES	GENERAL NOTES, ABBREVIATIONS, LEGEND
3-7	DT1-DT5	DETAILS
8	LC1	LINE AND CURVE DATA SHEET
9-18	GR1-GR8	GRADING PLANS
17-24	UP1-UP8	UTILITY PLANS
25-32	SL1-SL8	STREET LIGHT & TRAFFIC CONTROL PLANS
33-35	PP1-PP3	B STREET PLAN AND PROFILE
36-38	PP4-PP6	A STREET PLAN AND PROFILE
39-40	PP7-PP8	S STREET PLAN AND PROFILE

## SHEET INDEX

SHEET NO.	DWG. NO.	DRAWING TITLE
41-43		
44	PP9-PP11	11 STREET PLAN AND PROFILE
45	PP12	1 AND 2 STREET PLAN AND PROFILE
46	PP13	3 AND 4 STREET PLAN AND PROFILE
47	PP14	5 AND 6 STREET PLAN AND PROFILE
48	PP15	7 AND 8 STREET PLAN AND PROFILE
49	PP16	9 STREET PLAN AND PROFILE
50	SD1	STORM DRAIN PLAN AND PROFILE

## DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN  
HEREON ARE APPROXIMATE  
ONLY. IT SHALL BE THE  
CONTRACTOR'S RESPONSIBILITY  
TO DETERMINE THE EXACT  
HORIZONTAL AND VERTICAL  
LOCATION OF ALL EXISTING  
UNDERGROUND OR OVER-  
HEAD UTILITIES PRIOR TO  
COMMENCING CONSTRUCTION.  
NO REPRESENTATION IS MADE  
THAT ALL EXISTING UTILITIES  
ARE SHOWN HEREON. THE  
OWNER ASSUMES NO  
RESPONSIBILITY FOR UTILITIES  
NOT SHOWN IN THEIR PROPER  
LOCATION.

Call  
before you  
dig  
1-800-782-5345  
(TOLL FREE)

Call  
before you  
overhead  
1-878-753-5581  
(TOLL FREE)

## OWNER

SOUTH DAKOTA CONVEYANCY LLC  
4130 S. FORT APACHE RD.  
SUITE 300  
LAS VEGAS, NEVADA 89147  
(702) 873-0038

## DEVELOPER

RHODES HOMES ARIZONA, LLC  
2215 HUALAPAI NTH. RD.  
SUITE 111  
KINGMAN, ARIZONA 86401  
(928) 718-2210

## ENGINEER / SURVEYOR

STANLEY CONSULTANTS, INC.  
5820 S. EASTERN AVENUE  
SUITE 200  
LAS VEGAS, NEVADA 89119  
(702) 369-9398

## BASIS OF BEARINGS

NORTH 007°14'47" EAST - THE EAST LINE OF THE  
SOUTHEAST QUARTER (SE 1/4) OF SECTION 27,  
TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA & SALT  
RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF  
1983 (ACRS-83), WEST ZONE, INTERNATIONAL FOOT.  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.  
N.C.S.D. "SD 35" = LATITUDE 35°09'22.43033"N (NAD '83)  
LONGITUDE 114°10'58.56309"W (NAD '83)  
HEIGHT 2466.58824R (NAVD'83)

## BENCHMARK

BENCHMARK: # "ACT 9" N.C.S.D.  
ELEVATION: 2659.488R (NGVD '29)  
CONVERSION: 2662.014R (NAVD '83) = 2.546 = 2659.468R (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1998 "RLS 10343".  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

## UTILITIES

SEWAGE DISPOSAL:	TBD	
WATER:	TBD	
ELECTRICITY:	2498 AIRWAY AVENUE	(928) 881-4128
TELEPHONE:	2202 STOCKTON HILL	(928) 753-3000
CABLE:	2498 AIRWAY AVENUE	(928) 881-4128
SOLID WASTE COLLECTION:	WASTE MANAGEMENT	(928) 718-4900
SOLID WASTE DISPOSAL:	201 N. 4TH STREET	(928) 753-5723
FIRE PROTECTION:	GOLDEN VALLEY DIST.	(928) 565-3479



SCALE (H) NONE	SCALE (V) NONE	DRAWN BY CA/BS	CHECKED BY SH/DF	DATE 04-15-05
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5820 S. Eastern Avenue, Suite 200 Las Vegas, Nevada 89119 www.stanleyconsultants.com	STANLEY CONSULTANTS, INC.
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RHODES HOMES ARIZONA, LLC	ARIZONA
AZTEC AT CHUAR	MOHAVE COUNTY
COVER SHEET	
SHEET C1	
1 OF 50 SHEETS	
PROJECT# 18100	

PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 05-31-05

## GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH MOHAVE COUNTY STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND OTHER COUNTY ADOPTED STANDARDS, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER, OR UNLESS APPROVED AS A FECTION OF EXCEPTION BY HEARING OF THE PLANNING AND ZONING COMMISSION AND THE BOARD OF SUPERVISORS.
- THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY USE PERMIT FOR ANY WORK TO BE PERFORMED WITHIN THE RIGHT-OF-WAY UNDER THE OWNERSHIP OR CONTROL OF MOHAVE COUNTY.
- THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH COUNTY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE COUNTY FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE. REVIEW AND APPROVAL OF PLANS DOES NOT RELEASE ANY DEVELOPER OR ENGINEER FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS ON SAID PLANS.
- IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL CERTIFIED RECORD DRAWINGS (AS-BUILTS), INCLUDING ALL TEST RESULTS, HAVE BEEN SUBMITTED AND ACCEPTED BY THE COUNTY.
- THE DEVELOPER, ANY SUCCESSORS, AND ASSIGNS, WILL HOLD THE COUNTY OF MOHAVE, ITS OFFICERS, EMPLOYEES, AND AGENTS HARMLESS FROM ANY AND ALL CLAIMS FOR DAMAGES RELATED TO THE USE OF THIS DEVELOPMENT AS SHOWN HEREON, NOW AND IN THE FUTURE, BY REASON OF FLOODING, FLOWAGE, EROSION, OR DAMAGE CAUSED BY WATER, WHETHER SURFACE FLOOD OR RAINFALL.
- DRAINAGE WILL REMAIN IN ITS NATURAL STATE AND WILL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS SHOWN ON THIS DEVELOPMENT PLAN.
- A FLOODPLAIN USE PERMIT AND FINISHED FLOOR ELEVATION CERTIFICATE ARE REQUIRED FOR ALL PARCELS LOCATED WITHIN THE FEMA DESIGNATED AREA OF SPECIAL FLOOD HAZARD FOR THE 100-YEAR STORM.
- ANY RELOCATION, MODIFICATION, ETC., OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS NECESSITATED BY PROPOSED DEVELOPMENT SHALL BE AT NO EXPENSE TO THE COUNTY.
- THE CONTRACTOR SHALL FOLLOW ALL BLUE STAKE LAWS AND NOTIFY BLUE STAKE (1-800-STAKE-IT), BEFORE DIGGING.
- ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE, AS ADOPTED AND MODIFIED BY MOHAVE COUNTY.
- WHERE SOIL IS TO BE REMOVED FROM THE SITE, THE CONTRACTOR SHALL DESIGNATE THE LOCATION WHERE THE FILL WILL BE PLACED AND OBTAIN A LETTER FROM THE OWNER OF THAT PROPERTY ALLOWING THE PLACEMENT OF THE MATERIAL. PLACEMENT OF THIS MATERIAL SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS OF A PROFESSIONAL ENGINEER WHO SHALL HOLD A VALID REGISTRATION IN THE STATE OF ARIZONA.
- EXCEPT FOR THE WORK PERFORMED UNDER THE TERMS OF A FRANCHISE, OR WORK PERFORMED BY A GOVERNMENTAL AGENCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ALL WORK IS INSURED AND TESTED BY OR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO SHALL HOLD A VALID REGISTRATION IN THE STATE OF ARIZONA.

## SEWER

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MANDOPCA ASSOCIATION OF GOVERNMENTS (M.A.G.), AND IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE, TITLE 18, CHAPTER 9, TOGETHER WITH THESE PLANS.
- THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURIED CABLES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING:
  - BLUE STAKE 1-800-STAKE-IT
 AT LEAST 2 WORKING DAYS IN ADVANCE, THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
- WATER/SEWER SEPARATION INCLUDING SERVICE LINES WITHIN THE RIGHT-OF-WAY SHALL MEET THE REQUIREMENTS OF MAG STANDARD DETAILS 404-1 AND 404-2 (LATEST EDITION). SEPARATION SHALL BE A MINIMUM OF 2' VERTICAL AND 8' HORIZONTAL.
- CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS.
- SEWER MAIN PIPE AND SERVICE SHALL BE P.V.C. 304-36, MEETING THE REQUIREMENTS OF A.S.T.M. 3034 AND MAG SECTION 745. INSTALLATION SHALL BE IN ACCORDANCE WITH A.S.T.M. STANDARD SPECIFICATIONS 03321.
- REQUIRED MANHOLES SHALL BE CONSTRUCTED PER M.A.G. STANDARD DETAIL NO. 420.
- TRENCHING AND BACKFILL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION NO. 601. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
- ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 200.
- ALL MANHOLE FRAMES AND COVER, GRADE ADJUSTMENTS REQUIRED SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 422.
- SHAPING OF ALL SEWER MANHOLE BOTTOMS SHALL BE PER M.A.G. STANDARD SPECIFICATIONS NO. 020.3.1.
- ALL MANHOLES AND DROP SEWER CONNECTIONS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. SECTION 602. FOR MANHOLES THAT HAVE AN ELEVATION DROP BETWEEN INLET AND OUTLET BETWEEN 1' & 2.5', THERE SHALL BE CONSTRUCTION IN THE MANHOLE FLOOR A CONCRETE FILLET CHANNEL FROM THE INLET SIDE OF THE MANHOLE TO THE OUTLET SIDE WHICH SHALL HAVE A SLOPE AT A MINIMUM GRADE OF 2.5% TO PREVENT SOLIDS DEPOSIT. FOR A DROP IN EXCESS OF 2.5', REFER TO M.A.G. STANDARD DETAIL NO. 404.
- ALL SEWER SERVICE CONNECTIONS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 440. TYPE "A" NOTE, SEWER SERVICE CROSSING OF WATER MAIN WITHIN THE RIGHT OF WAY MAY REQUIRE PROTECTION PER MAG STD. DET. 404.
- SEWER CLEANOUT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 441.
- MINIMUM DEPTH OF COVER TO THE TOP OF SEWER PIPE SHALL NOT BE LESS THAN 3 FEET.
- UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK, SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.

## WATER

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MANDOPCA ASSOCIATION OF GOVERNMENTS (M.A.G.), IN ACCORDANCE WITH A.D.E.Q. ENGINEERING BULLETIN NO. 10, TOGETHER WITH THESE PLANS.
- THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURIED CABLES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING:
  - BLUE STAKE 1-800-STAKE-IT
 AT LEAST 2 WORKING DAYS IN ADVANCE, THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
- CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS.
- WATER MAIN SHALL BE P.V.C. PIPE CLASS 150, MEETING THE REQUIREMENTS OF A.S.T.M. 800-1 AND M.A.G. STANDARD SPECIFICATIONS SECTION 705.
- WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH A.D.E.Q. ENGINEERING BULLETIN NO. 8.
- WATER/SEWER SEPARATION SHALL MEET THE REQUIREMENTS OF R10-4-6002 (LATEST EDITION). SEPARATION SHALL BE A MINIMUM OF 2' VERTICAL AND 8' HORIZONTAL.
- TRENCHING AND BACKFILL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION 601. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
- CURB STOP WITH FLUSHING PIPES SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO. 380. TYPE "A", AS DIRECTED BY THE CITY OF KINMAH.
- ALL FITTINGS FOR WATER MAINS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 020.3.1.
- ALL THURST BLOCKING FOR WATER LINES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 380.
- ALL BOLLARDS FOR WATER GATE VALVES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 301.
- PAVEMENT FOR CONSTRUCTION SHALL BE MADE ON THE BASIS OF UNIT PRICE BID IN THE CONTRACTORS PROPOSAL. ALL ITEMS CALLED FOR ON THE PLANS BUT NOT LISTED IN BID ITEMS SHALL BE CONSIDERED INCIDENTAL. SUCH ITEMS INCLUDE BUT ARE NOT LIMITED TO: WATER LINE BLOCKING, NON-METALLIC TAPE, TESTING, SALVAGING MATERIAL, EXISTING UTILITIES CLOSING, ETC.
- ALL TAPPING SLEEVES, VALVES AND VALVE BOXES ON WATERLINES SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTION 630, AND M.A.G. STANDARD DETAIL NO. 340.
- WATER METER COVERS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 310, AND WATER METER BOXES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 320.
- ALL FITTINGS AND VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL VALVES ARE TO BE PLUMB AND HAVE STRAIGHT ALIGNMENT.
- WATER MAIN SHALL BE TESTED IN ACCORDANCE WITH M.A.G. SECTION 610-14, AND IN ACCORDANCE WITH M.A.G. SECTION 610.14 FOR DUCTILE IRON PIPE.
- ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 200-1.
- UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK, SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.

## STREET

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MANDOPCA ASSOCIATION OF GOVERNMENTS (M.A.G.), UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL DENSITY REQUIREMENTS FOR STREETS SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 301 AND M.A.G. SPECIFICATION 301 FOR ALL WATER AND SEWER TRENCHES. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
- THE EXACT LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATION AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURIED CABLES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING:
  - BLUE STAKE 1-800-STAKE-IT
 AT LEAST 2 WORKING DAYS IN ADVANCE, THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
- ALL BACKFILL, PAVEMENT AND SURFACE REPLACEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 200-1 AND M.A.G. STANDARD SPECIFICATION SECTION 338. ALL TRENCHES SHALL MEET CSA REQUIREMENTS.
- ROADWAY EXCAVATION SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATION 302. M.A.G. SPECIFICATION 328 FOR WATERING AND M.A.G. STANDARD SPECIFICATION 301 FOR SUBGRADE PREPARATION.
- CONTRACTOR SHALL REPLACE ANY INADEQUATE SUBGRADE MATERIAL WITH APPROPRIATE BACKFILL AS DIRECTED BY THE PROJECT ENGINEER.
- ALL STREET APPROPRIATE BASE SHALL MEET THE REQUIREMENTS OF M.A.G. SECTION 310.
- ALL ASPHALT CONCRETE PAVEMENT SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 321.
- FOG SEAL SHALL MEET M.A.G. STANDARDS SECTION 333.
- CONCRETE CURB AND GUTTER SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 220.
- SIDEWALKS SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO.230 & SHALL CONFORM WITH M.A.G. SPECIFICATION 340.
- ALL POURED CONCRETE STRUCTURES SHALL MEET THE REQUIREMENTS OF M.A.G. STD. SPECIFICATIONS, SECTION 500.
- THE EXACT POINT OF MATCHING TERMINATION AND OVERLAY, IF NECESSARY, SHALL BE DETERMINED IN THE FIELD BY THE COUNTY ENGINEER OR AUTHORIZED REPRESENTATIVE.
- THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADJUSTMENT AND PLACEMENT OF CONCRETE SQUARES, FRAMES, COVERS, AND VALVE BOXES AS NECESSARY FOR A COMPLETE JOB AS APPROVED BY THE COUNTY ENGINEER.
- NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UTILITY LINES ARE COMPLETED & APPROVED UNDER THIS PROPOSED PAVED AREA.
- BASE COURSE SHALL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE COUNTY ENGINEER.
- NO JOB SHALL BE CONSIDERED COMPLETED UNTIL CURBS, PAVEMENTS AND SIDEWALKS HAVE BEEN SHEET CLEAN OF ALL DIRT AND DEBRIS, AND SURVEY MONUMENTS ARE INSTALLED.
- THE LOCATION OF ALL WATER VALVES, FIRE HYDRANTS, AND MANHOLES MUST AT ALL TIMES DURING CONSTRUCTION BE SUBMITTED BY THE CONTRACTOR AND MADE AVAILABLE TO THE COUNTY.
- UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK, SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.
- EXISTING STREET AND TRAFFIC SIGNS WILL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW TRAFFIC CONTROL SIGNS AND MARKINGS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

## SITE GRADING

- ALL CONSTRUCTION SHALL CONFORM WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MANDOPCA ASSOCIATION OF GOVERNMENTS (M.A.G.), UNLESS OTHERWISE NOTED ON THE PLANS.
- RELINING AND BLOCK WALL FOOTING DEPTHS SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL EVALUATION. SHOW THE FOOTING DEPTH DEPENDS UPON THE SOIL RESPONSE NATURE AND THIS IS SUBJECT TO grading and testing at the time of full construction. See the Geotechnical Report for more information.
- Final street pavement sections will be determined using construction based on tests of actual subgrade.

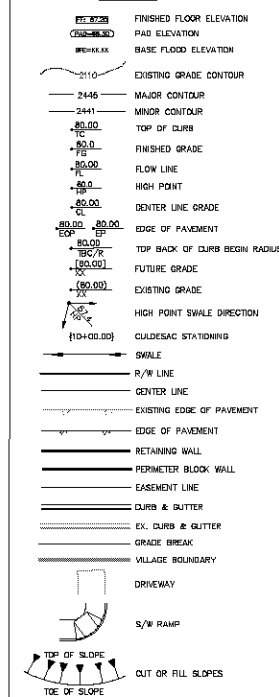
## FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAP DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

## ENGINEERS NOTES

- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLYING CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO OBTAIN, MAINTAIN, AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS, AND SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.
- ADD 2500' TO ALL ELEVATIONS < 500' ON THESE DRAWINGS TO GET ACTUAL ELEVATION.
- SEE LANDSCAPE PLANS FOR LANDSCAPING AND ONSITE IRRIGATION.





## LEGEND



## ABBREVIATIONS

AVE	AVENUE
BC	BACK OF CURB
BOL	BACK OF CURB RADIUS
BOL	BACK OF CURB LENGTH
BM	BENCH MARK
BT	BEGINNING OF VERTICAL CURVE
CATV	CABLE TELEVISION
CMB	CURB AND GUTTER
C/L OR E	COMMON ELEMENT
CUB	CURB
CMP	CORRUGATED METAL PIPE
COM DWY	COMMERCIAL DRIVEWAY
CONC	CONCRETE
CONSTR	CONSTRUCTION OF CONSTRUCTION
CURB	CURB STATIONING
CURB	CURB YARD
E	ELECTRIC
END	END OF VERTICAL CURVE
EDGE	EDGE OF PAVEMENT
EX OR EXIST	EXISTING
FD	FIRE DEPARTMENT CONNECTION
FIN	FINISH GRADE
FL OR E	FLOW LINE
G	GRADE
GR	GRADE BREAK
HP	HIGH POINT
INVERT	INVERT
INV	INVERT
L	LENGTH
M.A.G.	MIDPOINT OF VERTICAL CURVE
M.A.G.	MANDOPCA ASSOCIATION OF GOVERNMENTS
MH	MANHOLE
MN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
PRVT	PRIVATE
PC	POINT OF CURVE
POC	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVE
PSI	POUNDS PER SQUARE INCH
P	POINT
PUE	PUBLIC UTILITY EASEMENT
PUE	PERMEABLE EASEMENT
RCB	REINFORCED CONCRETE BOX
R/W	RIGHT OF WAY
SD	STORM DRAIN
SL/STLT	STREET LIGHT
SS	SANITARY SEWER
STD	STANDARD
S/W OR SW	SIDEWALK
TC	TOP OF CURB
TRANS	TO BE DETERMINED
TRANS (TYP)	TRANSITION
VC	VERTICAL CURVE
VERT	VERTICAL
VO	VALLEY BUTTER
W	WATER
WD	WATER METER

NOTE:  
ALL ABBREVIATIONS SHOWN ON THIS LEGEND MAY NOT  
APPEAR ON THIS SET OF DRAWINGS.

	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	PVC WATER MAIN (PUBLIC)
	TEE W/ VALVE

## DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVER-HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you dig  
1-800-782-5348  
(4-800-986-4141)

Call before you dig  
1-878-753-5591  
overhead

PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 04/15/05



5600 S. Eastern Avenue, Suite 200  
Phoenix, Arizona 85044-1702 303-979-9790  
www.stanleyconsultants.com

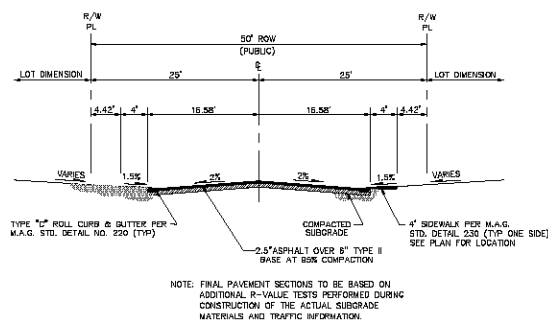
**Stanley Consultants Inc.**

RHODES HOMES ARIZONA, LLC

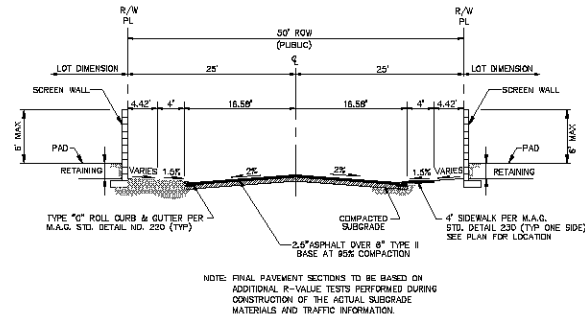
AZTEC AT CHUAP  
NOTES

SHEET  
**NOTES**  
2 OF 50 SHEETS  
SQ PROJECT# 18100

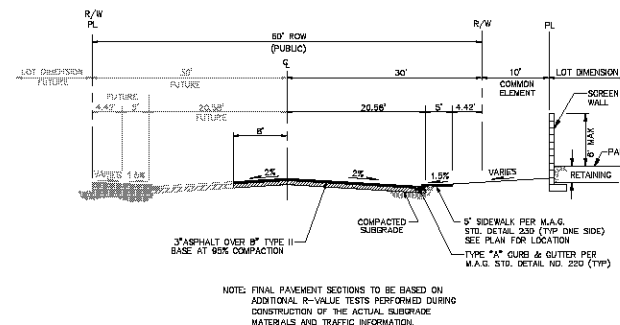
ARIZONA  
MOHAVE COUNTY



**A** TYPICAL 50' RIGHT-OF-WAY STREET SECTION  
PUBLIC  
N.T.S.

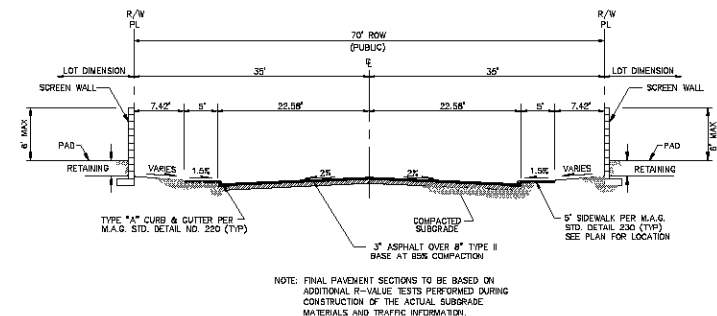


**B** TYPICAL 50' RIGHT-OF-WAY STREET SECTION  
FRONTING SIDE YARDS  
PUBLIC  
N.T.S.

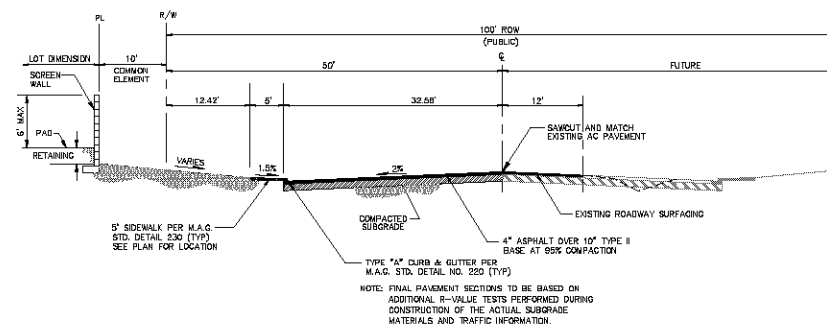


**C** TYPICAL 60' RIGHT-OF-WAY HALF STREET SECTION \*  
PUBLIC  
N.T.S.

\* AMADO ROAD IMPROVEMENTS TO BE PART OF OFF-SITE ROADWAY IMPROVEMENT PACKAGE PREPARED BY STANLEY CONSULTANTS.

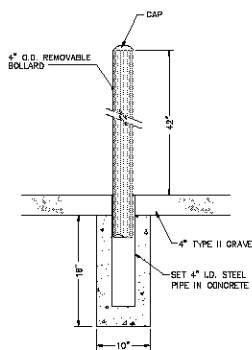


**D** TYPICAL 70' RIGHT-OF-WAY STREET SECTION  
PUBLIC  
N.T.S.

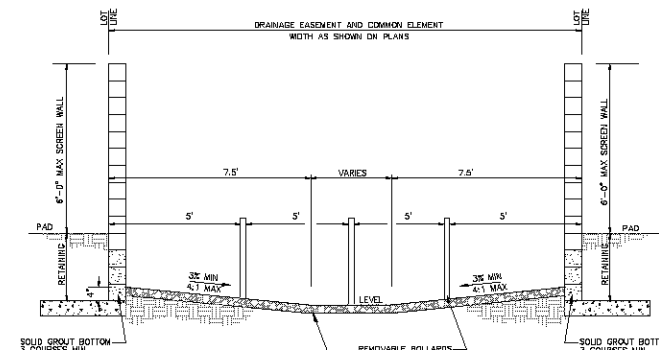


**E** TYPICAL 100' RIGHT-OF-WAY HALF STREET SECTION \*  
PUBLIC  
N.T.S.

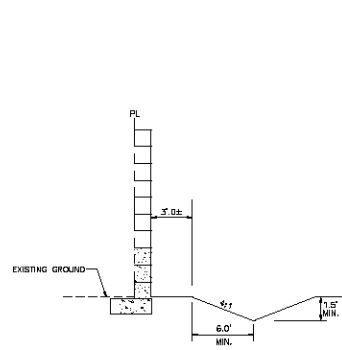
\* AZTEC ROAD IMPROVEMENTS TO BE PART OF OFF-SITE ROADWAY IMPROVEMENT PACKAGE PREPARED BY STANLEY CONSULTANTS.



**REMOVABLE BOLLARD DETAIL**  
N.T.S.



**F** DRAINAGE EASEMENT  
TO BE PRIVATELY MAINTAINED  
N.T.S.



**N** DRAINAGE SWALE  
TO BE PRIVATELY MAINTAINED  
N.T.S.

**DISCLAIMER NOTE**

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Call before you dig  
1-800-787-5348  
(N.T.S.)

Call before you dig  
1-978-753-5591  
(N.T.S.)

**NOTES:**  
ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TECH., INC. DATED MARCH 28, 2005 PROJECT No. 2005-1-108

**BASIS OF BEARINGS**

NORTH 001°24'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-NF), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.  
N.T.S.D. "30" 35" = LATITUDE 29°59'22" 430327", LONGITUDE 114°10'58.56399" W (NAD '83)  
HEIGHT 2496.56824R (NAVD'88)

**BENCHMARK**

BENCHMARK # "AZT" 8" M.C.S.D. ELEVATION= 2659.488R (NAVD '88) CONVERSION= 2662.014R (NAVD '88) - 2.546 = 2659.488R (NAVD '88)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1899 "SLS 10343", LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.



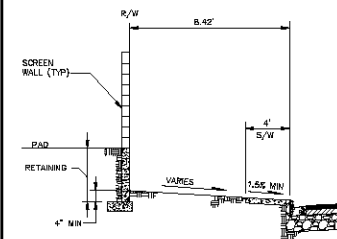
DATE	04-15-05
BY	STANLEY CONSULTANTS INC.
CHECKED BY	STANLEY CONSULTANTS INC.
SCALE	N.T.S.

SCALE (H) NONE	SCALE (V) NONE
DRAWN BY	CA/CD
CHECKED BY	SH/DF
DATE	04-15-05

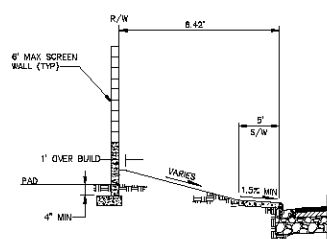
5600 S. Eastern Avenue, Suite 200  
Phoenix, Arizona 85034  
www.stanleyconsultants.com



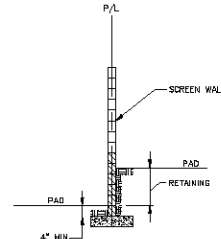
PHOENIX ARIZONA, LLC	ARIZONA
AZTEC AT CHUAP	MOHAVE COUNTY
DETAILS 1	
SHEET	DTI
3 OF 50 SHEETS	
PROJECT#	18100



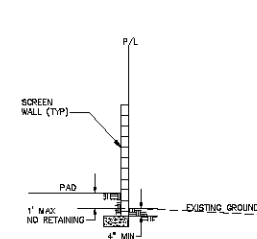
**G SIDE YARD CORNER LOT SECTION WITH RETAINING**  
N.T.S.



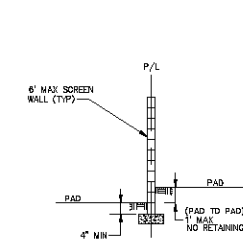
**H SIDE YARD CORNER LOT SECTION - NO RETAINING**  
N.T.S.



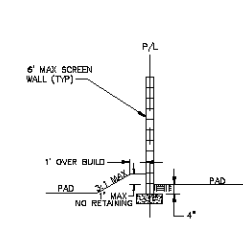
**I REAR / SIDE YARD SECTION WITH RETAINING**  
N.T.S.



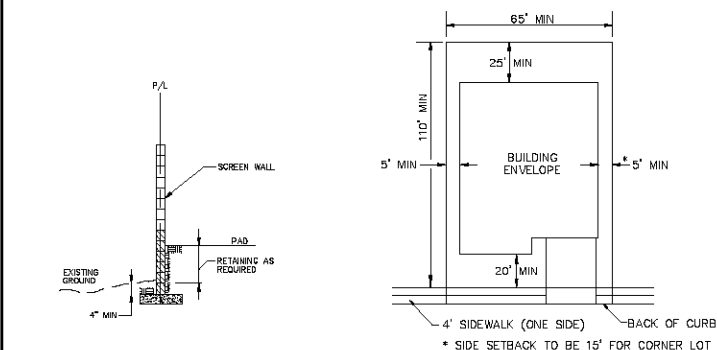
**J REAR YARD SECTION - NO RETAINING**  
N.T.S.



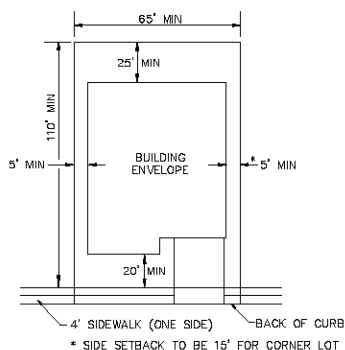
**K SIDE YARD SECTION - NO RETAINING**  
N.T.S.



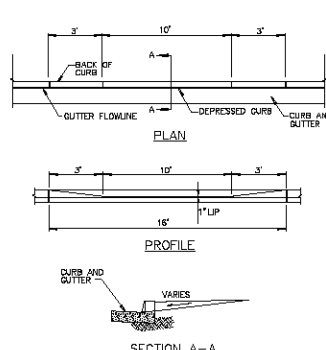
**L REAR YARD SECTION WITH SCARP**  
N.T.S.



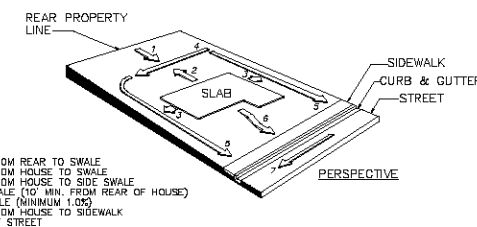
**M REAR YARD SECTION AT PROPERTY LINE**  
N.T.S.



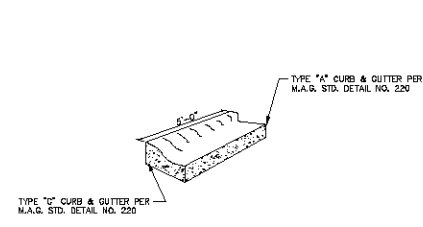
**TYPICAL SETBACKS FOR ALL LOTS**  
N.T.S.



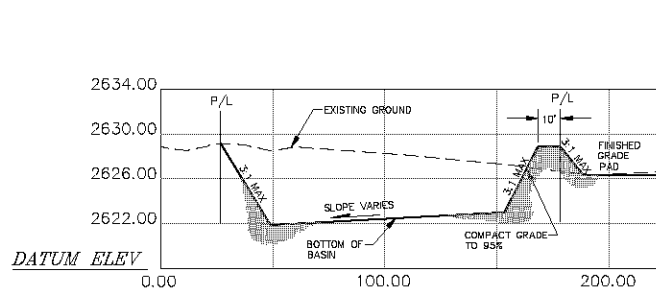
**CURB CUT FOR DRAINAGE**  
N.T.S.



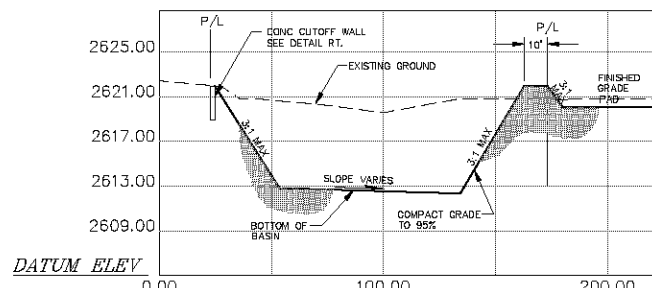
**TYPICAL GRADING**  
N.T.S.



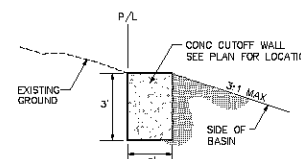
**TRANSITION FROM TYPE 'C' CURB TO TYPE 'A' CURB**  
N.T.S.



**DETENTION POND 1 SECTION**  
SCALE: HORIZONTAL - 1" = 30', VERTICAL - 1" = 6'



**DETENTION POND 2 SECTION**  
SCALE: HORIZONTAL - 1" = 30', VERTICAL - 1" = 6'



**CUTOFF WALL DETAIL**  
N.T.S.

#### DISCLAIMER NOTE

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Call before you dig  
1-800-782-5348  
(4-800-954-4242)

Call before you overheat  
1-878-753-5591  
overheat



DATE	04-15-05
CHECKED BY	SH/DF
DRAWN BY	GA/CD
SCALE (V) NONE	
SCALE (H) NONE	

DATE	04-15-05
CHECKED BY	SH/DF
DRAWN BY	GA/CD
SCALE (V) NONE	
SCALE (H) NONE	

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ARIZONA

RHODES HOMES ARIZONA, LLC  
AZTEC AT CHUJAR  
DETAILS 2

SHEET  
DT2  
4 OF 50 SHEETS  
SQ PROJECT# 18100

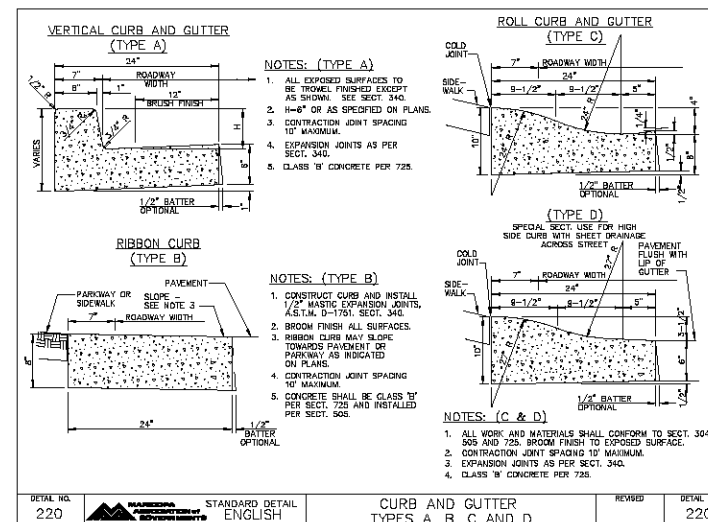
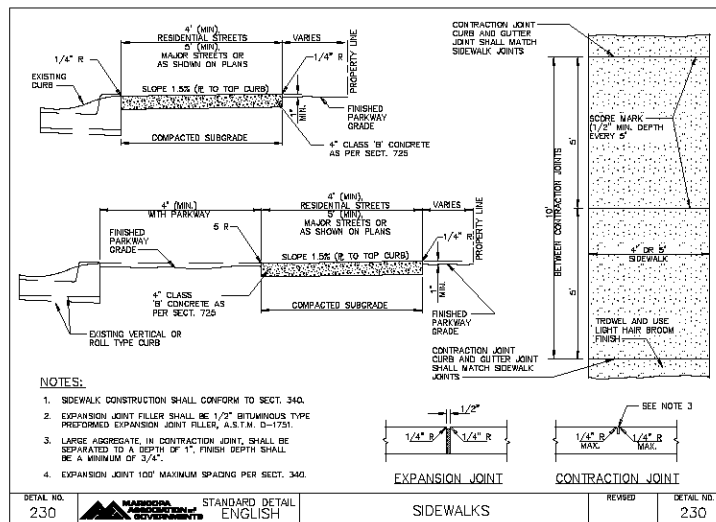
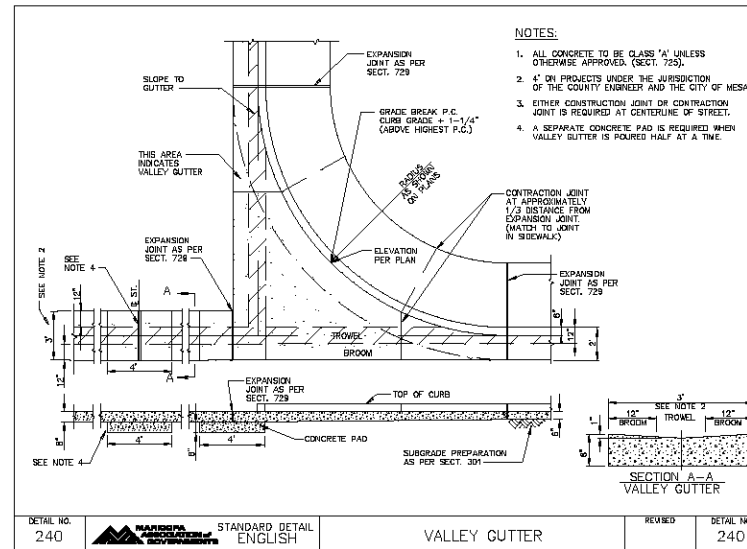
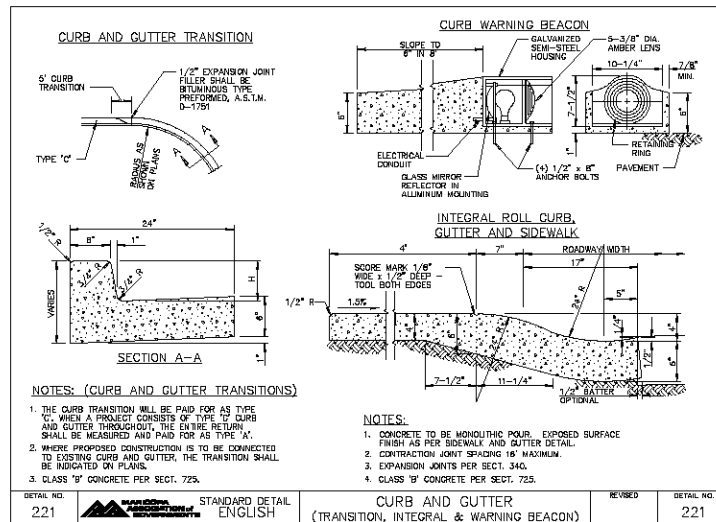
**NOTES:**  
ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TECH., INC. DATED MARCH 28, 2005 PROJECT NO. 2005-11-08.

#### BASIS OF BEARINGS

NORTH 001°24'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-NP), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.  
N.T.S.D. "30 35" = LATITUDE 26°58'23.43032"N, LONGITUDE 114°10'58.56309"W (NAD '83)  
HEIGHT 2496.56824m (NAVD'88)

#### BENCHMARK

BENCHMARK # "AZT 8" M.S.D.  
ELEVATION= 2659.488m (NGVD '29)  
CONVERSION= 2662.014m (NAVD '88) - 2.546 = 2659.468m (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "SLS 10343"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**DISCLAIMER NOTE**

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And utility agreement with 8th St. utility  
Call you Dig  
1-800-787-5348  
0-000-000-000

And warrant power the warrant  
Call before you Overhead  
1-978-753-0091  
0-000-000-000

**NOTES:**

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TECH., INC. DATED MARCH 28, 2005 PROJECT No. 0028-CL-08

**BASIS OF BEARINGS**

NORTH 00124.7° EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GLA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-NF), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.  
N.C.S.D. "30" 35" = LATITUDE 35°58'22.43032"N, LONGITUDE 114°10'58.5639"W (NAD '83)  
HEIGHT 2496.56824H (NAVD'88)

**BENCHMARK**

BENCHMARK # 7421 8" M.C.S.D.  
ELEVATION= 2659.480H (NGVD '29)  
CONVERSION= 2662.014H (NAVD '86) - 2.546 = 2659.468H (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 78.5 10.5437,  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.



DATE	04-15-05
CHECKED BY	SH/DF
DRAWN BY	GA/CD
SCALE (V) NONE	
SCALE (H) NONE	

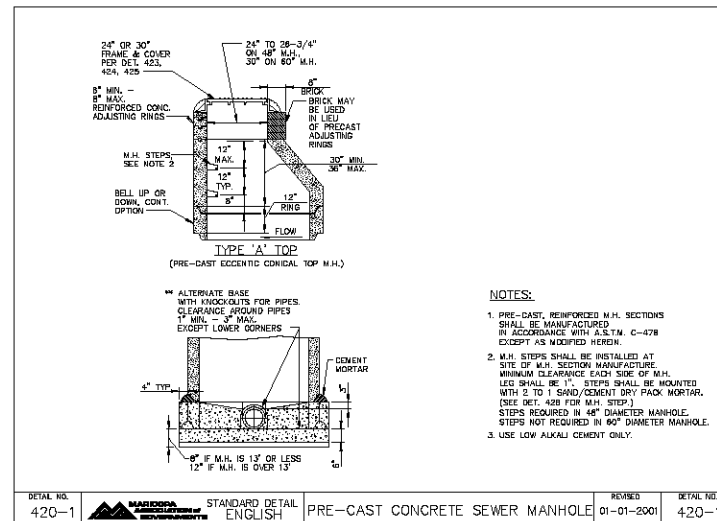
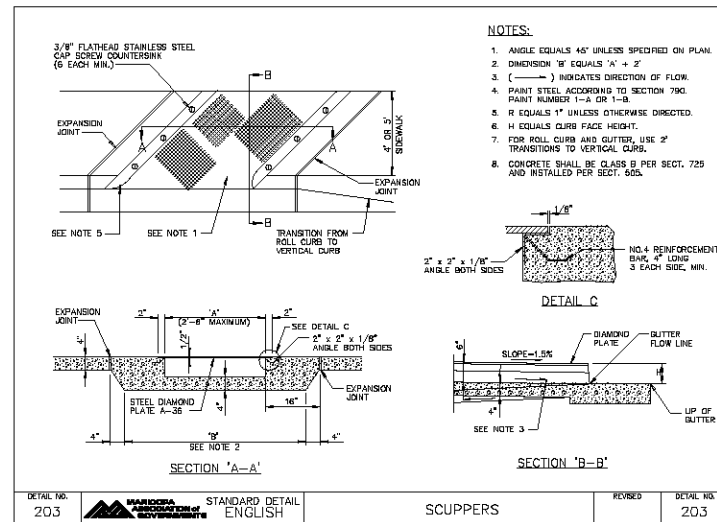
DATE 04-15-05  
CHECKED BY SH/DF  
DRAWN BY GA/CD  
SCALE (V) NONE  
SCALE (H) NONE

5650 S. Eastern Avenue, Suite 200  
Phoenix, Arizona 85034  
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**Stanley Consultants inc.**

ARIZONA

RHODES HOMES ARIZONA, LLC  
AZTEC AT CHUAP  
DETAILS 3  
MOHAVE COUNTY

SHEET  
DT3  
5 OF 50 SHEETS  
SQ PROJECT# 18100



**DISCLAIMER NOTE**  
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HEREON ARE APPROXIMATE  
ONLY. IT SHALL BE THE  
CONTRACTOR'S RESPONSIBILITY  
TO DETERMINE THE EXACT  
HORIZONTAL AND VERTICAL  
LOCATION OF ALL EXISTING  
UNDERGROUND AND  
HEAD UTILITIES PRIOR TO  
COMMENCING CONSTRUCTION.  
NO REPRESENTATION IS MADE  
THAT ALL EXISTING UTILITIES  
ARE SHOWN HEREON. THE  
ENGINEER ASSUMES NO  
RESPONSIBILITY FOR UTILITIES  
NOT SHOWN OR UTILITIES  
NOT SHOWN IN THEIR PROPER  
LOCATION.

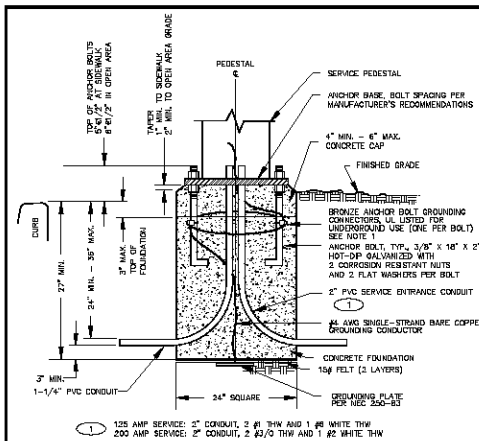
name	profession	age	height	last birthday	sex

SCALE (H) NONE  
SCALE (V) NONE  
DRAWN BY GA/CD  
CHECKED BY SH/D  
DATE 04-15-05

 Stanley Consultants Inc.  
5600 S. Eastern Avenue, Suite 200  
Las Vegas, Nevada 89119  
(702) 359-9386 Fax (702) 359-5793  
[www.stanleygroup.com](http://www.stanleygroup.com)

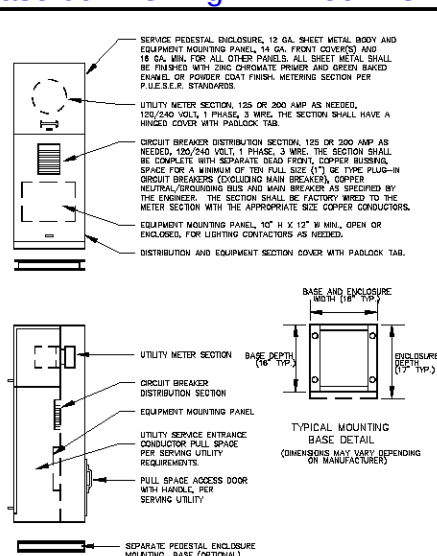
<p><b>RHODES HOMES ARIZONA, LLC</b></p>	<p><b>AZTEC AT CHUAR DETAILS 4</b></p>	<p><b>MOHAVE COUNTY ARIZONA</b></p>
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SHEET  
**DT4**  
OF 50 SHEETS  
SCI PROJECT#  
18100

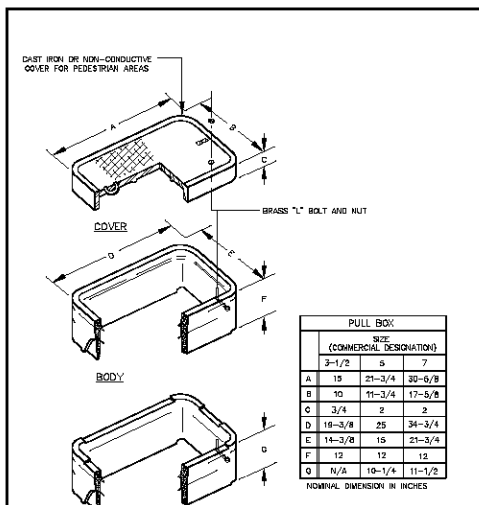


- NOTES:**
1. BARE COPPER GROUNDING CONDUCTOR SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.
  2. CABINET COVERS SHALL BE PARALLEL WITH CURB.
  3. IN AREAS WHERE S/W PERMITS, THE CONCRETE BASE SHALL BE PLACED AT THE BACK EDGE OF THE SIDEWALK.
  4. CABINET COVERS SHALL OPEN TOWARDS THE STREET WHEN CABINETS ARE LOCATED AT BACK OF BOX. CABINET COVERS SHALL OPEN PARALLEL TO THE SIDEWALK FACING THE DIRECTION OF TRAFFIC WHEN LOCATED WITHIN THE SIDEWALK.
  5. WIRE SIZES ARE BASED ON UNDERGROUND FEED.
  6. WIRE SIZES SHALL BE INCREASED FOR VOLTAGE DROP LIMITATION WHEN RUN IS LONG.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
501 PORTLAND CEMENT CONCRETE	SERVICE PEDESTAL FOUNDATION (EXCEPT CLARK COUNTY AND CITY OF LAS VEGAS)
823 TRAFFIC SIGNALS & STREETLIGHTING	
	DATE 2-10-00 DWG. NO. 332 PAGE NO. 82

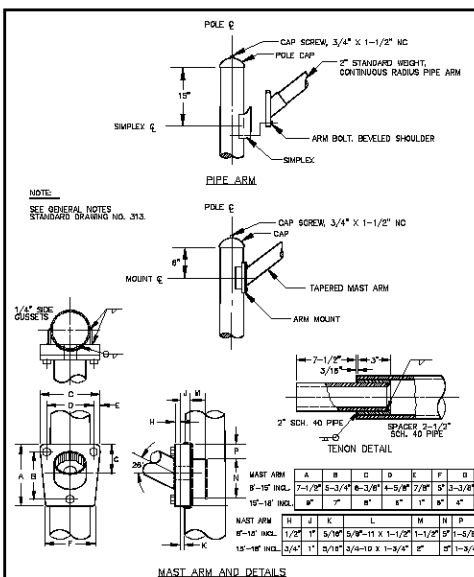


SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
508 STEEL STRUCTURES	SINGLE METER SERVICE PEDESTAL
823 TRAFFIC SIGNALS & STREETLIGHTING	
	DATE 8-12-89 DWG. NO. 330 PAGE NO. 80

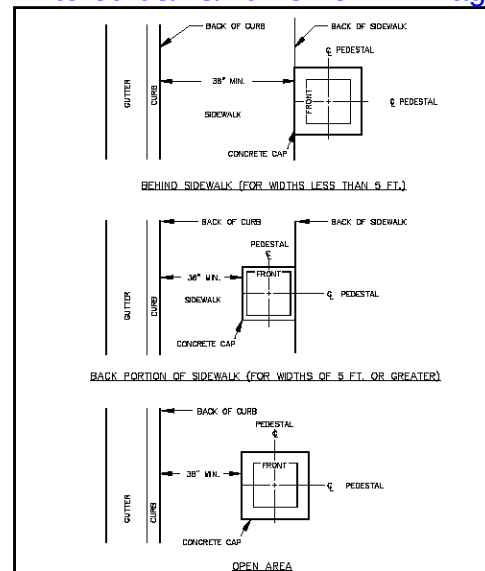


- NOTES:**
1. COVERS INSTALLED IN TRAFFIC AND OPEN AREAS ACCESSIBLE TO TRAFFIC SHALL BE PER STANDARD DRAWING NO. 327.
  2. SEE STANDARD DRAWING NO. 333 FOR COVER GRADING.

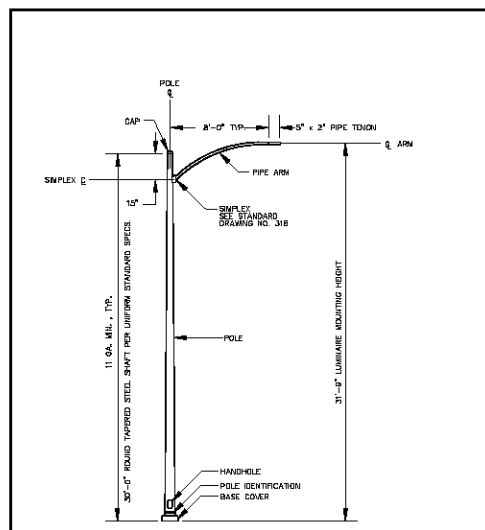
SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
503 PRECAST PRESTRESSED CONCRETE MEMBERS	PRECAST REINFORCED CONCRETE PULL BOX
823 TRAFFIC SIGNALS & STREETLIGHTING	
	DATE 12-12-96 DWG. NO. 326 PAGE NO. 86



SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
506 STEEL STRUCTURES	POLE TOP AND ARM MOUNTING DETAILS
823 TRAFFIC SIGNALS & STREETLIGHTING	
715 GALVANIZING	
	DATE 12-12-96 DWG. NO. 318 PAGE NO. 78

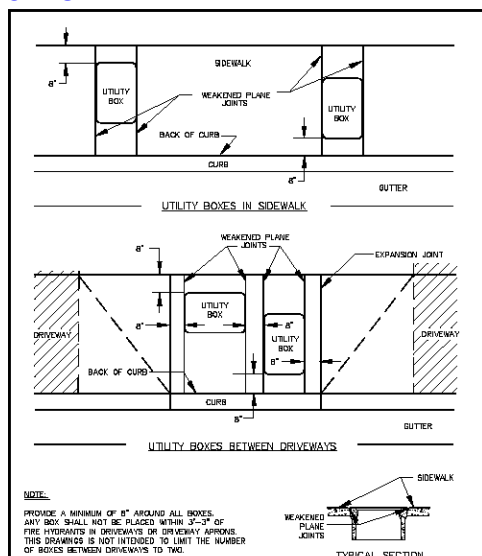


SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
501 PORTLAND CEMENT CONCRETE	SERVICE PEDESTAL SETBACK
823 TRAFFIC SIGNALS & STREETLIGHTING	
	DATE 12-12-96 DWG. NO. 331 PAGE NO. 91

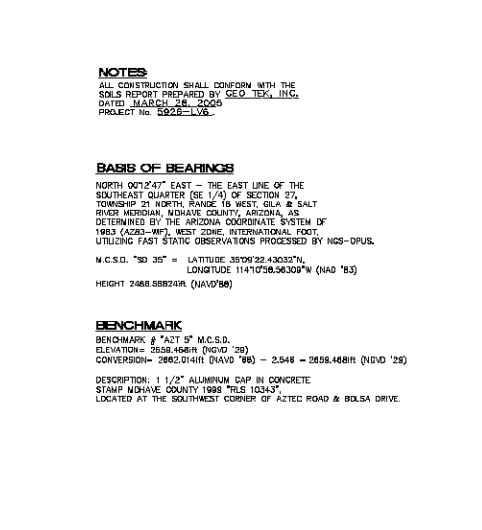


- NOTES:**
1. SEE GENERAL NOTES STANDARD DRAWING NO. 313.
  2. SEE STANDARD DRAWING NO. 319 FOR DETAIL OF POLE CAP.
  3. SEE STANDARD DRAWING NO. 318 FOR DETAIL OF POLE BASE.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
506 STEEL STRUCTURES	STREETLIGHT STANDARD WITH 2" PIPE ARM
823 TRAFFIC SIGNALS & STREETLIGHTING	
715 GALVANIZING	
	DATE 12-12-96 DWG. NO. 314 PAGE NO. 74



SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
506 REINFORCING STEEL	UTILITY PULL BOX LOCATIONS SIDEWALK AND BETWEEN DRIVEWAYS
823 TRAFFIC SIGNALS & STREETLIGHTING	
	DATE 12-12-96 DWG. NO. 328 PAGE NO. 88



- NOTES:**
1. SEE GENERAL NOTES STANDARD DRAWING NO. 313.
  2. SEE STANDARD DRAWING NO. 319 FOR DETAIL OF POLE CAP.
  3. SEE STANDARD DRAWING NO. 318 FOR DETAIL OF POLE BASE.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
506 STEEL STRUCTURES	STREETLIGHT STANDARD WITH 2" PIPE ARM
823 TRAFFIC SIGNALS & STREETLIGHTING	
715 GALVANIZING	
	DATE 12-12-96 DWG. NO. 314 PAGE NO. 74



SCALE (H) NONE	SCALE (V) NONE	DRAWN BY CA/CD	CHECKED BY SH/DF	DATE 04-15-05
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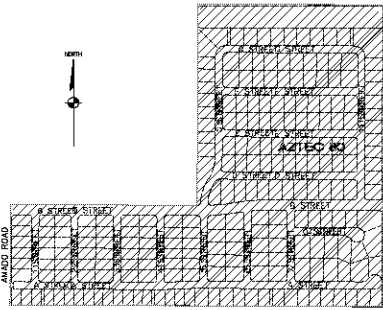
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PHOENIX HONORS ARIZONA, LLC	ARIZONA
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STAMP HONORS COUNTY 1998 "HLS 10043"	STAMP HONORS COUNTY 1998 "HLS 10043"
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7 OF 50 SHEETS	PROJECT# 18100
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7 OF 50 SHEETS	PROJECT# 18100
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KEY MAP  
NOT TO SCALE**BASIS OF BEARINGS**

NORTH 001°24'47" EAST - THE EAST LINE OF THE  
SOUTHWEST QUARTER (1/4) OF SECTION 31,  
TOWNSHIP 21 NORTH, RANGE 18 WEST, CLIA & SALT  
RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF  
1983 (NAD 83 - 83), WEST ZONE, INTERNATIONAL FOOT,  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 39" - LATITUDE: 35°09'22.43037"N  
LONGITUDE: 114°10'58.56309"W (NAD 83)

HEIGHT: 2468.56828 FT (NAVD 88)

**BENCHMARK**

BENCHMARK: # "AZT 1" M.C.S.D.  
ELEVATION: 2559.488 FT (NGVD '29)  
CONVERSION: 2862.014 FT (NAVD '83) - 2.544 - 2559.488 FT (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1989 "RLS 10343"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**LEGEND**

- 10' CORNER LOT SETBACK
- STREET CENTER LINE
- PROPERTY LINE
- AZTEC RD BOUNDARY LINE
- RIGHT-OF-WAY LINE
- FUTURE LINE
- LOT NUMBER
- SIDEWALK RAMP
- COMMON ELEMENT
- LINE AND CURVE DATA

**DISCLAIMER NOTE**

UTILITY LOCATIONS SHOWN  
HEREIN ARE APPROXIMATE  
ONLY. IT SHALL BE THE  
CONTRACTOR'S RESPONSIBILITY  
TO DETERMINE THE EXACT  
HORIZONTAL AND VERTICAL  
LOCATION OF ALL EXISTING  
UNDERGROUND OR OVER-  
HEAD UTILITIES PRIOR TO  
COMMONING CONSTRUCTION.  
NO REPRESENTATION IS MADE  
THAT ALL EXISTING UTILITIES  
ARE SHOWN HEREIN. THE  
ENGINEER ASSUMES NO  
RESPONSIBILITY FOR UTILITIES  
NOT SHOWN OR UTILITIES  
NOT SHOWN IN THEIR PROPER  
LOCATION.

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(T-800-732-0348)

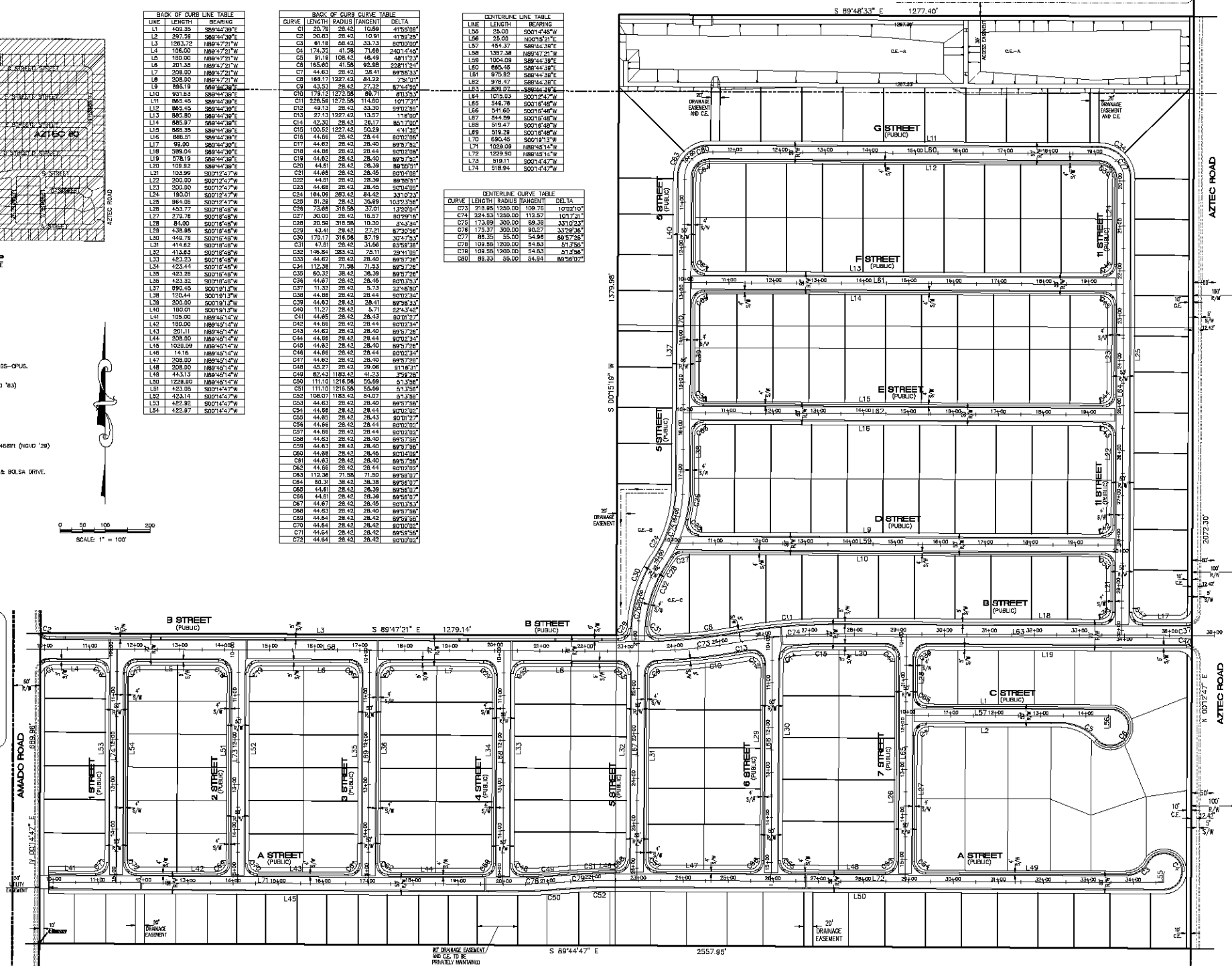
Call before you dig  
1-878-733-5591  
(T-878-733-5591)

LINE	LENGTH	BEARING
L1	408.35	S89°44'37"E
L2	297.59	S89°44'39"E
L3	1263.72	N89°47'21"W
L4	1206.00	N89°47'21"W
L5	1800.00	N89°47'21"W
L6	201.35	N89°47'21"W
L7	208.00	N89°47'21"W
L8	208.00	N89°47'21"W
L9	888.19	S89°44'39"E
L10	931.53	S89°44'39"E
L11	885.45	S89°44'39"E
L12	885.45	S89°44'39"E
L13	885.45	S89°44'39"E
L14	885.45	S89°44'39"E
L15	885.45	S89°44'39"E
L16	885.45	S89°44'39"E
L17	59.00	S89°44'39"E
L18	599.04	S89°44'39"E
L19	578.19	S89°44'39"E
L20	118.87	S89°44'39"E
L21	103.99	S001°24'47"W
L22	200.00	S001°24'47"W
L23	200.00	S001°24'47"W
L24	180.01	S001°24'47"W
L25	884.08	S001°24'47"W
L26	453.77	S001°24'47"W
L27	279.78	S001°24'47"W
L28	84.00	S001°24'47"W
L29	438.88	S001°24'47"W
L30	448.78	S001°24'47"W
L31	414.82	S001°24'47"W
L32	413.82	S001°24'47"W
L33	423.32	S001°24'47"W
L34	423.44	S001°24'47"W
L35	423.38	S001°24'47"W
L36	423.32	S001°24'47"W
L37	890.45	S001°24'47"W
L38	150.44	S001°24'47"W
L39	200.00	S001°24'47"W
L40	180.01	S001°24'47"W
L41	105.00	N89°45'14"W
L42	180.00	N89°45'14"W
L43	201.11	N89°45'14"W
L44	208.00	N89°45'14"W
L45	1028.00	N89°45'14"W
L46	141.16	N89°45'14"W
L47	208.00	N89°45'14"W
L48	208.00	N89°45'14"W
L49	443.13	N89°45'14"W
L50	1228.80	N89°45'14"W
L51	433.88	S001°24'47"W
L52	423.14	S001°24'47"W
L53	422.82	S001°24'47"W
L54	422.87	S001°24'47"W

CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	20.78	28.42	10.68	41°55'39"
C2	20.83	28.42	10.91	41°58'29"
C3	61.18	58.42	33.73	80°00'00"
C4	173.35	41.38	17.68	230°15'43"
C5	91.18	108.42	48.49	48°11'23"
C6	165.60	41.58	65.88	228°11'24"
C7	41.41	28.42	28.41	89°58'33"
C8	168.11	1227.42	84.22	7°30'10"
C9	53.53	28.42	27.32	87°44'29"
C10	178.12	1272.58	86.71	81°53'53"
C11	228.58	1872.58	114.60	101°7'21"
C12	49.13	28.42	33.30	89°02'39"
C13	27.13	1227.42	13.57	11°00'00"
C14	42.38	28.42	24.17	80°7'29"
C15	100.52	1227.42	50.29	4°41'39"
C16	44.68	28.42	28.44	80°00'00"
C17	44.67	28.42	28.43	89°57'28"
C18	44.68	28.42	28.44	80°00'00"
C19	44.67	28.42	28.43	89°57'28"
C20	44.61	28.42	28.39	89°50'17"
C21	44.68	28.42	28.45	80°00'00"
C22	44.61	28.42	28.39	89°50'17"
C23	44.68	28.42	28.43	80°00'00"
C24	184.08	283.42	84.42	33°10'23"
C25	81.28	28.42	35.89	103°23'59"
C26	26.88	318.58	13.01	12°00'00"
C27	30.00	28.42	16.37	80°00'00"
C28	20.58	318.58	10.30	3°43'34"
C29	43.41	28.42	27.21	87°30'39"
C30	170.17	318.58	87.19	30°47'53"
C31	47.81	28.42	31.06	85°58'38"
C32	146.89	283.42	75.11	28°41'00"
C33	44.62	28.42	28.40	89°57'28"
C34	112.38	71.38	71.53	89°57'28"
C35	60.33	28.42	36.39	89°57'28"
C36	44.67	28.42	28.45	80°00'00"
C37	11.32	28.42	5.73	2°24'50"
C38	44.68	28.42	28.44	80°00'00"
C39	44.62	28.42	28.41	89°57'28"
C40	11.27	28.42	5.71	2°24'54"
C41	44.65	28.42	28.43	80°00'00"
C42	44.68	28.42	28.44	80°00'00"
C43	44.62	28.42	28.40	89°57'28"
C44	44.68	28.42	28.44	80°00'00"
C45	44.62	28.42	28.40	89°57'28"
C46	44.68	28.42	28.44	80°00'00"
C47	44.62	28.42	28.40	89°57'28"
C48	45.27	28.42	28.08	89°50'17"
C49	82.43	1183.42	41.23	3°38'29"
C50	111.10	1216.58	55.69	6°13'58"
C51	111.10	1216.58	55.66	6°13'58"
C52	108.07	1183.42	54.07	5°33'58"
C53	44.63	28.42	28.40	89°57'28"
C54	44.68	28.42	28.44	80°00'00"
C55	44.62	28.42	28.40	89°57'28"
C56	44.63	28.42	28.43	80°00'00"
C57	44.63	28.42	28.40	89°57'28"
C58	44.68	28.42	28.45	80°00'00"
C59	44.63	28.42	28.40	89°57'28"
C60	44.68	28.42	28.45	80°00'00"
C61	44.63	28.42	28.40	89°57'28"
C62	44.68	28.42	28.44	80°00'00"
C63	112.38	71.38	71.50	89°57'28"
C64	60.33	28.42	36.38	89°57'28"
C65	44.61	28.42	28.39	89°50'17"
C66	44.67	28.42	28.45	80°00'00"
C67	44.63	28.42	28.40	89°57'28"
C68	44.64	28.42	28.42	89°59'58"
C69	44.64	28.42	28.42	80°00'00"
C70	44.64	28.42	28.42	89°59'58"
C71	44.64	28.42	28.42	89°59'58"
C72	44.64	28.42	28.42	89°59'58"

LINE	LENGTH	BEARING
L55	25.00	S001°44'47"W
L56	25.00	S001°44'47"W
L57	454.37	S89°44'39"E
L58	1357.38	N89°47'21"W
L59	1024.09	S89°44'39"E
L60	885.45	S89°44'39"E
L61	875.82	S89°44'39"E
L62	973.47	S89°44'39"E
L63	829.02	S89°44'39"E
L64	1015.03	S001°24'47"W
L65	548.78	S001°24'47"W
L66	541.60	S001°24'47"W
L67	844.59	S001°24'47"W
L68	510.47	S001°24'47"W
L69	519.28	S001°24'47"W
L70	690.45	S001°24'47"W
L71	1059.08	N89°45'14"W
L72	1229.80	N89°45'14"W
L73	519.11	S001°24'47"W
L74	518.94	S001°24'47"W

CURVE	LENGTH	RADIUS	TANGENT	DELTA
C73	218.85	1250.00	109.78	102°02'00"
C74	224.53	1250.00	112.57	101°07'31"
C75	173.89	300.00	89.38	33°10'23"
C76	173.77	300.00	90.17	33°09'54"
C77	88.35	55.00	54.88	89°57'28"
C78	109.88	1200.00	54.83	51°33'06"
C79	109.88	1200.00	54.83	51°33'06"
C80	88.33	55.00	54.84	89°58'59"



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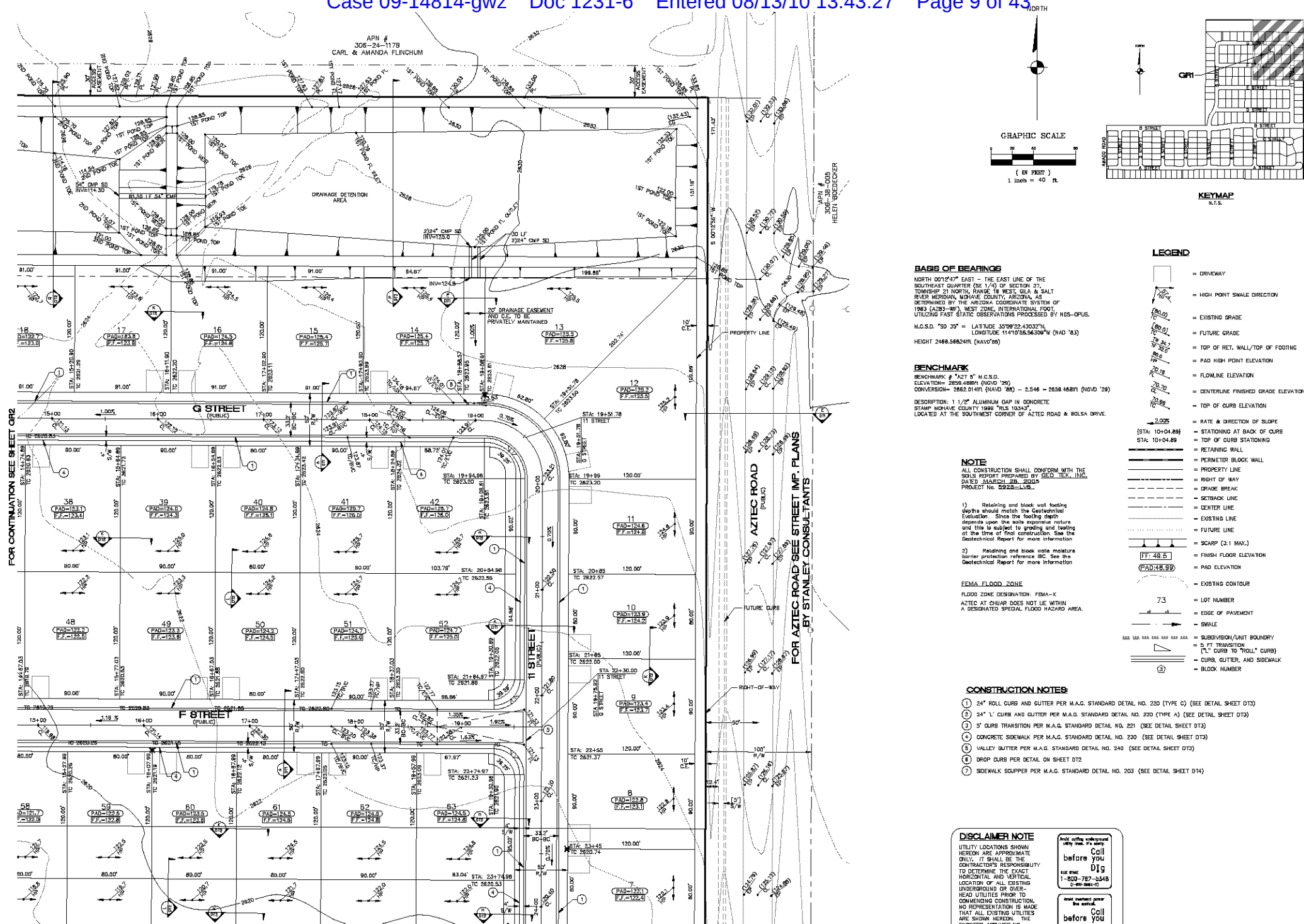


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AZTEC AT CHUAP  
LINE AND CURVE DATA SHEET  
MOHAVE COUNTY  
ARIZONA

SHEET  
LC1  
8 OF 50 SHEETS  
SQ PROJECT#  
18100



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RHODES HOMES ARIZONA, LLC

AZTEC AT CHUAP  
GRADING PLAN 1

ARIZONA

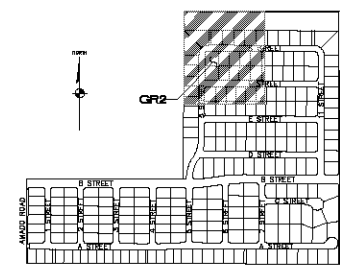
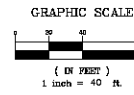
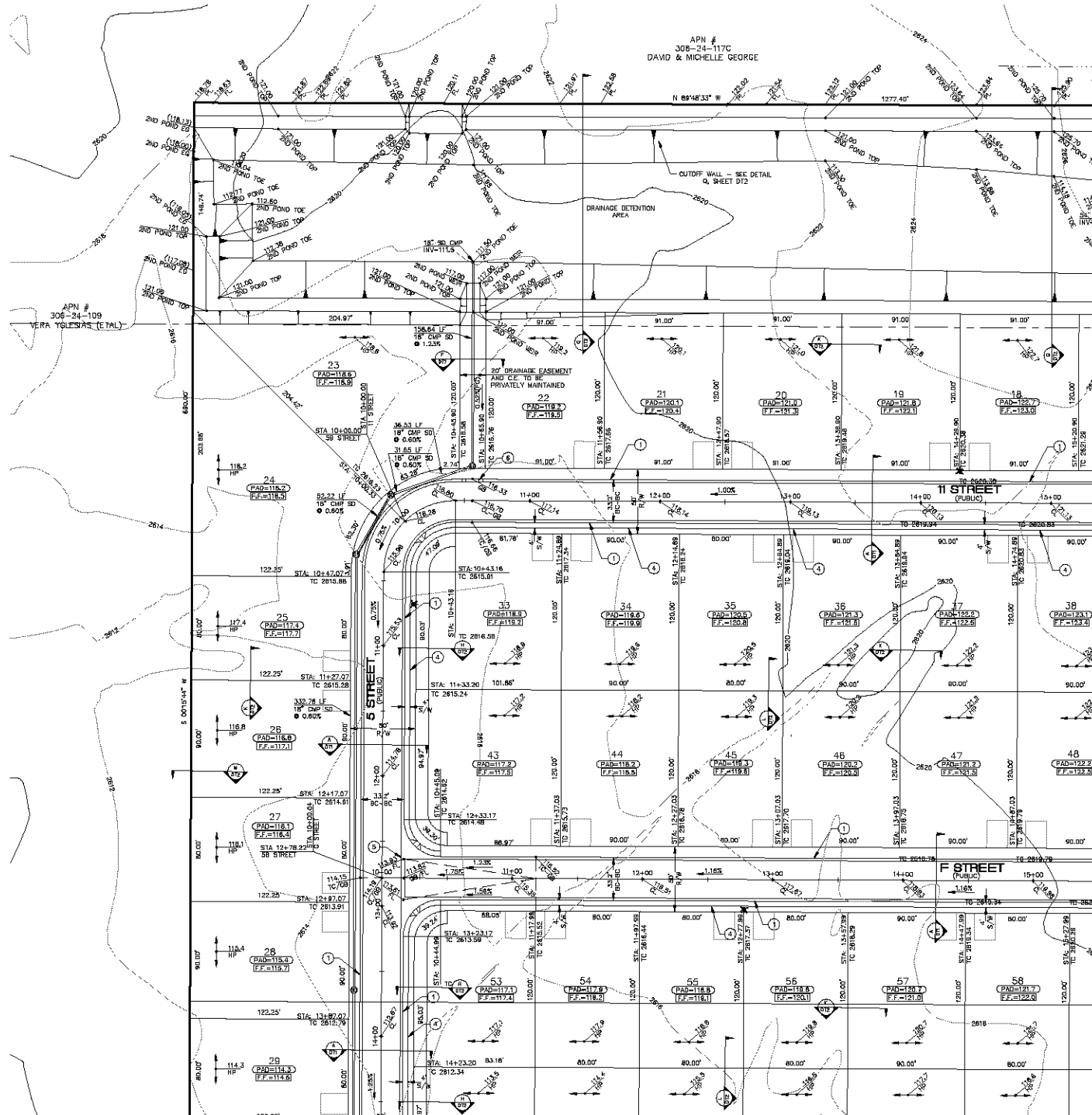
MOHAVE COUNTY

SHEET

**GR1**

9 OF 50 SHEETS

PROJECT# 18100

KEYMAP  
N.T.S.

## LEGEND

- = DRIVEWAY
- = HIGH POINT SWALE DIRECTION
- = EXISTING GRADE
- = FUTURE GRADE
- = TOP OF RET. WALL/TOP OF FOOTING
- = PAD HIGH POINT ELEVATION
- = FLOMLINE ELEVATION
- = CENTERLINE FINISHED GRADE ELEVATION
- = TOP OF CURB ELEVATION
- = RATE & DIRECTION OF SLOPE
- = STATIONING AT BACK OF CURB
- = STATIONING AT FRONT OF CURB
- = RETAINING WALL
- = PERIMETER BLOCK WALL
- = PROPERTY LINE
- = RIGHT OF WAY
- = GRADE BREAK
- = SETBACK LINE
- = CENTER LINE
- = EXISTING LINE
- = FUTURE LINE
- = SCARP (3:1 MAX.)
- = FINISH FLOOR ELEVATION
- = PAD ELEVATION
- = EXISTING CONTOUR
- = LOT NUMBER
- = EDGE OF PAVEMENT
- = SWALE
- = SUBDIVISION/UNIT BOUNDARY
- = 5 FT TRANSITION ('L' CURB TO 'ROLL' CURB)
- = CURB, GUTTER, AND SIDEWALK
- = BLOCK NUMBER

## BASIS OF BEARINGS

NORTH 001°47' EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-88) WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 35" = LATITUDE 33°09'22.43032"N, LONGITUDE 114°10'58.56309"W (NAD 83) HEIGHT 2468.56824M (NAVD 88)

## BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D. ELEVATION= 2859.488M (NGVD '29) CONVERSION= 2862.014M (NAVD '88) = 2.546 - 2859.488M (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1998 "M.S. 1034" LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

## NOTE

ALL CONSTRUCTION SHALL CONFORM WITH THE SOLID REPORT PREPARED BY GEO. TECH. INC. DATED MARCH 28, 2005 PROJECT NO. 5522-L19.

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils expansive nature and this is subject to grading and testing at the time of final construction. See the Geotechnical Report for more information.
- 2) Retaining and block wall moisture barrier protection reference IBC. See the Geotechnical Report for more information.

## FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X AZTEC AT CHUAP DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

## CONSTRUCTION NOTES:

- 1) 24" ROLL CURB AND GUTTER PER M.A.G. STANDARD DETAIL NO. 220 (TYPE C) (SEE DETAIL SHEET DT3)
- 2) 24" "L" CURB AND GUTTER PER M.A.G. STANDARD DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET DT3)
- 3) 5" CURB TRANSITION PER M.A.G. STANDARD DETAIL NO. 221 (SEE DETAIL SHEET DT3)
- 4) CONCRETE SIDEWALK PER M.A.G. STANDARD DETAIL NO. 230 (SEE DETAIL SHEET DT3)
- 5) VALLEY GUTTER PER M.A.G. STANDARD DETAIL NO. 240 (SEE DETAIL SHEET DT3)
- 6) DROP CURB PER DETAIL ON SHEET DT2
- 7) SIDEWALK SCOURPER PER M.A.G. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET DT4)

## DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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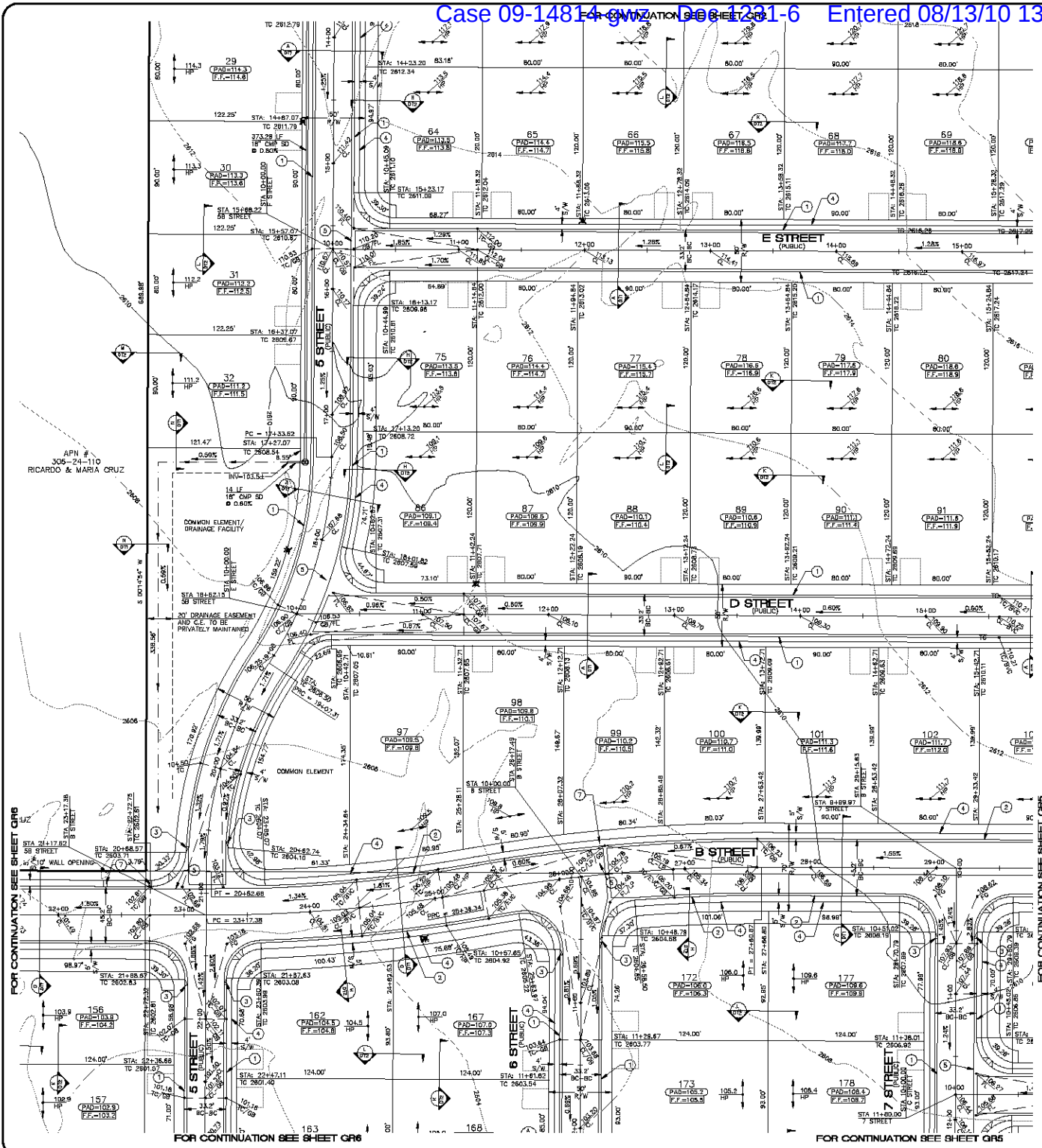


DATE	04-15-05
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SCALE	(V) NONE
SCALE (H)	1"=40'

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PHOENIX HOMES ARIZONA, LLC  
AZTEC AT CHUAP  
GRADING PLAN 2

ARIZONA  
SHEET  
GR2  
10 OF 50 SHEETS  
SQ PROJECT# 18100



FOR CONTINUATION SEE SHEET QRS

FOR CONTINUATION SEE SHEET QRS

### BASE OF BEARINGS

NORTH 001°47' EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SEE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-88) WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS. N.C.S.D. "SD 35" = LATITUDE 33°09'22.43032"N, LONGITUDE 114°10'58.56309"W (NAD 83) HEIGHT 2468.56824M (NAVD 88)

### BENCHMARK

BENCHMARK # "AZT 5" N.C.S.D. ELEVATION= 2859.488M (NGVD 29) CONVERSION= 2862.014M (NAVD 88) = 2.546 - 2859.488M (NGVD 29) DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MARICOPA COUNTY 1998 "RIS 1033" LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

### NOTE

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TECH. INC. DATED MARCH 28, 2005 PROJECT NO. 5528-L19.

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils expansive nature and this is subject to grading and testing at the time of final construction. See the Geotechnical Report for more information.
- 2) Retaining and block wall moisture barrier protection reference line. See the Geotechnical Report for more information.

### FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X AZTEC AT CHUJAR DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

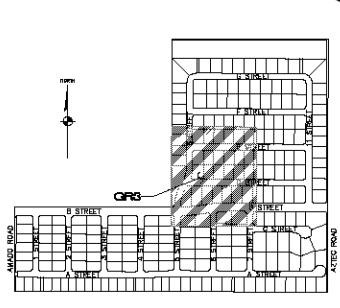
### CONSTRUCTION NOTES:

- 1) 24" ROLL CURB AND GUTTER PER M.A.G. STANDARD DETAIL NO. 220 (TYPE C) (SEE DETAIL SHEET DT3)
- 2) 24" "L" CURB AND GUTTER PER M.A.G. STANDARD DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET DT3)
- 3) 5" CURB TRANSITION PER M.A.G. STANDARD DETAIL NO. 221 (SEE DETAIL SHEET DT3)
- 4) CONCRETE SIDEWALK PER M.A.G. STANDARD DETAIL NO. 230 (SEE DETAIL SHEET DT3)
- 5) VALLEY CURB PER M.A.G. STANDARD DETAIL NO. 240 (SEE DETAIL SHEET DT3)
- 6) DROP CURB PER DETAIL ON SHEET DT2
- 7) SIDEWALK SCUMPER PER M.A.G. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET DT4)

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KEYMAP  
N.T.S.

### LEGEND

- DRIVEWAY
- HIGH POINT SWALE DIRECTION
- EXISTING GRADE
- FUTURE GRADE
- TOP OF RET. WALL/TOP OF FOOTING
- PAD HIGH POINT ELEVATION
- FLOODED ELEVATION
- CENTERLINE FINISHED GRADE ELEVATION
- TOP OF CURB ELEVATION
- RATE & DIRECTION OF SLOPE
- STATIONING AT BACK OF CURB
- STATIONING AT CURB
- RETAINING WALL
- PERIMETER BLOCK WALL
- PROPERTY LINE
- RIGHT OF WAY
- GRADE BREAK
- SETBACK LINE
- CENTER LINE
- EXISTING LINE
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- SCARP (3:1 MAX.)
- FINISH FLOOR ELEVATION
- PAD ELEVATION
- EXISTING CONTOUR
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- EDGE OF PAVEMENT
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- SUBDIVISION/UNIT BOUNDARY
- 5 FT TRANSITION ("L" CURB TO "ROLL" CURB)
- CURB, GUTTER, AND SIDEWALK
- BLOCK NUMBER

**Stanley Consultants Inc.**

PHOENIX HOMES ARIZONA, LLC  
AZTEC AT CHUJAR  
GRADING PLAN 3

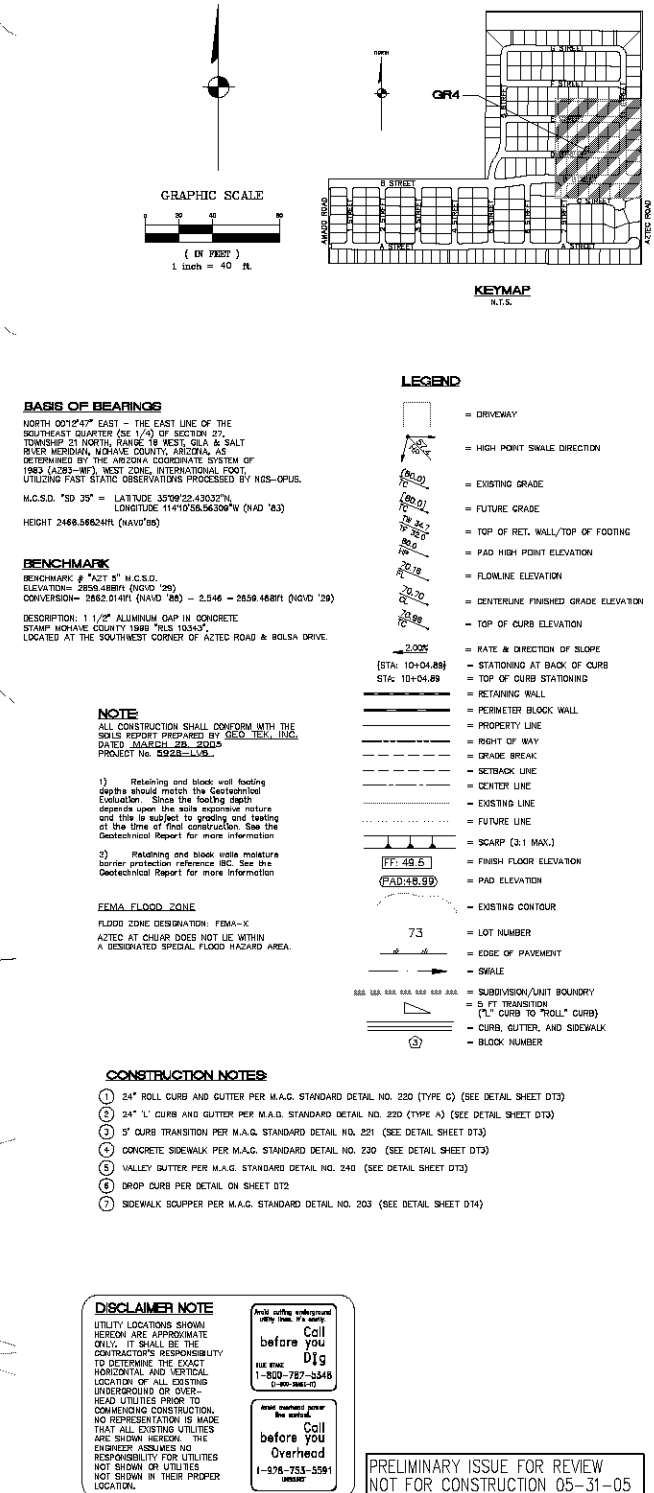
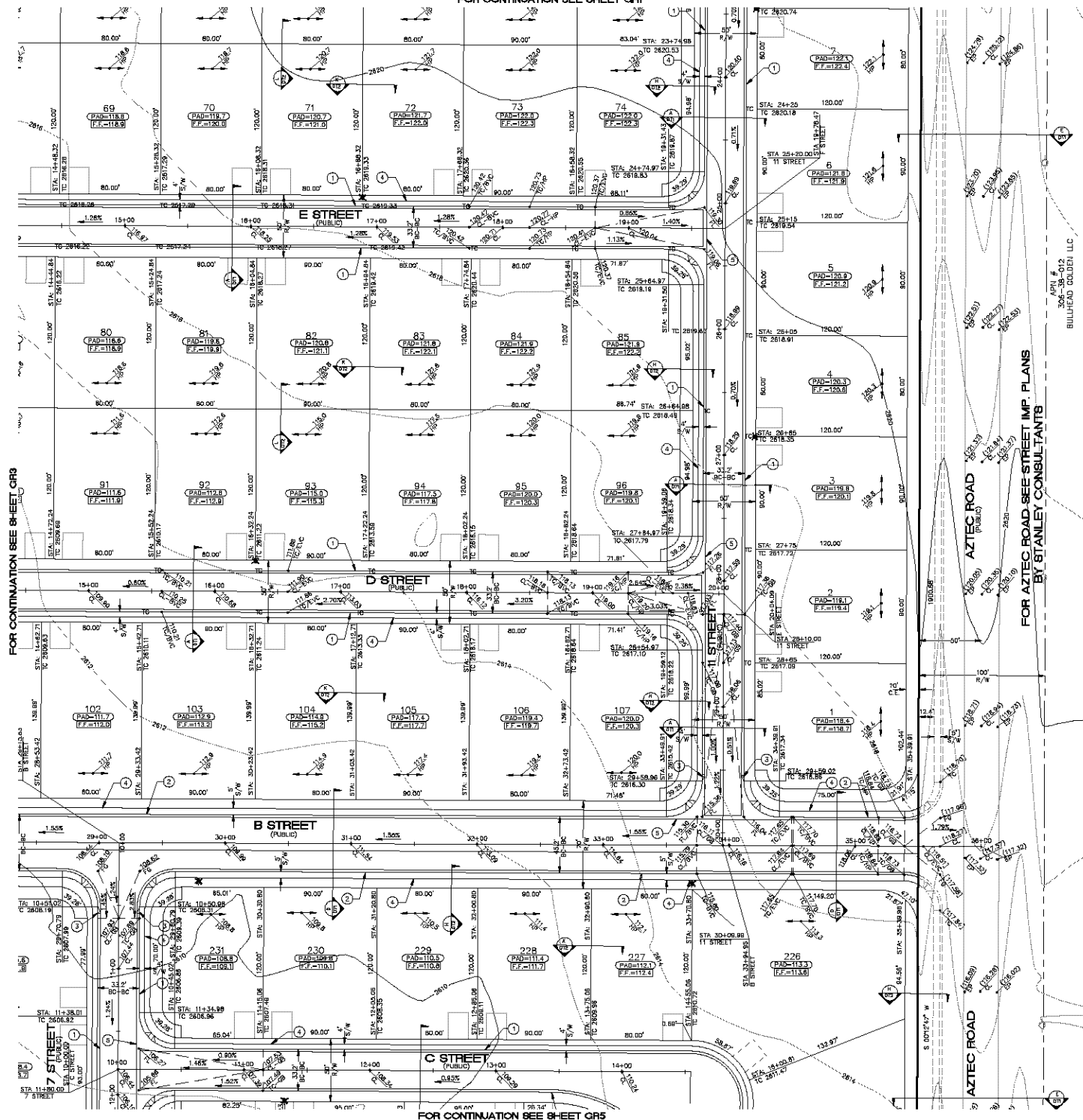
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Phoenix, Arizona 85034  
Tel: (602) 998-1100  
www.stanleyconsultants.com

SCALE (H) 1"=40'  
SCALE (V) 1"=10'  
DRAWN BY: GA/CD  
CHECKED BY: SH/DF  
DATE: 04-15-05

SHEET  
**QR3**  
11 OF 50 SHEETS  
SQ PROJECT# 18100

PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 05-31-05

FOR CONTINUATION SEE SHEET 011



**Stanley Consultants Inc.**

RHODES HOMES ARIZONA, LLC

AZTEC AT CHUAP

GRADING PLAN 4

MOHAVE COUNTY

ARIZONA

SHEET

**GR4**

12 OF 50 SHEETS

PROJECT# 18100



**GRAPHIC SCALE**  
(IN FEET)  
1 inch = 40 ft.

**KEYMAP**  
N.T.S.

**BASIS OF BEARINGS**  
NORTH 001°24'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, CLAY & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WI), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.  
M.C.S.D. "30 35" = LATITUDE 33°09'52.4303"N, LONGITUDE 111°07'56.5630"W (NAD 83)  
HEIGHT 2466.56824m (NAVD83)

**BENCHMARK**  
BENCHMARK # 721 5' M.C.S.D.  
ELEVATION: 2658.48m (NGVD 29)  
CONVERSION: 2662.014m (NAVD 83) - 2.548 - 2658.48m (NGVD 29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1998 "RLS 10343"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**NOTE**  
ALL CONSTRUCTION SHALL CONFORM WITH THE SLOPE REPORT PREPARED BY GEO. TECH. INC. DATED MARCH 28, 2005 PROJECT NO. 5528-L19.  
1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils expansive nature and this is subject to grading and testing at the time of final construction. See the Geotechnical Report for more information.  
2) Retaining and block wall moisture barrier protection reference R.C. See the Geotechnical Report for more information.

**FEMA FLOOD ZONE**  
FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAP DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

**CONSTRUCTION NOTES:**  
 ① 24" ROLL CURB AND GUTTER PER M.A.G. STANDARD DETAIL NO. 220 (TYPE C) (SEE DETAIL SHEET D13)  
 ② 24" "L" CURB AND GUTTER PER M.A.G. STANDARD DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET D13)  
 ③ 5' CURB TRANSITION PER M.A.G. STANDARD DETAIL NO. 221 (SEE DETAIL SHEET D13)  
 ④ CONCRETE SIDEWALK PER M.A.G. STANDARD DETAIL NO. 230 (SEE DETAIL SHEET D13)  
 ⑤ VALLEY BUTTER PER M.A.G. STANDARD DETAIL NO. 240 (SEE DETAIL SHEET D13)  
 ⑥ DROP CURB PER DETAIL ON SHEET D12  
 ⑦ SIDEWALK SCUMPER PER M.A.G. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET D14)

**DISCLAIMER NOTE**  
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

**LEGEND**  
 = DRIVEWAY  
 = HIGH POINT SWALE DIRECTION  
 = EXISTING GRADE  
 = FUTURE GRADE  
 = TOP OF RET. WALL/TOP OF FOOTING  
 = PAD HIGH POINT ELEVATION  
 = FLOWLINE ELEVATION  
 = CENTERLINE FINISHED GRADE ELEVATION  
 = TOP OF CURB ELEVATION  
 = RATE & DIRECTION OF SLOPE  
 [STA: 10+04.89]  
 STA: 10+04.89  
 = RETAINING WALL  
 = PERIMETER BLOCK WALL  
 = PROPERTY LINE  
 = RIGHT OF WAY  
 = GRADE BREAK  
 = SETBACK LINE  
 = CENTER LINE  
 = EXISTING LINE  
 = FUTURE LINE  
 = SCARP (3:1 MAX.)  
 [FF: 49.5]  
 [PAD: 48.99]  
 = FINISH FLOOR ELEVATION  
 = PAD ELEVATION  
 = EXISTING CONTOUR  
 73 = LOT NUMBER  
 = EDGE OF PAVEMENT  
 = SWALE  
 = SUBDIVISION/JUNIT BOUNDARY  
 = 5 FT TRANSITION ("L" CURB TO "ROLL" CURB)  
 = CURB, GUTTER, AND SIDEWALK  
 = BLOCK NUMBER

**FOR AZTEC ROAD SEE STREET IMP. PLANS BY STANLEY CONSULTANTS**

APN # 306-38-013  
JANIE TSAI (ETAL)

**PHOES HOMES ARIZONA, LLC**

**AZTEC AT CHUAP GRADING PLAN 5**

**MOHAVE COUNTY**

**ARIZONA**

**Stanley Consultants inc.**

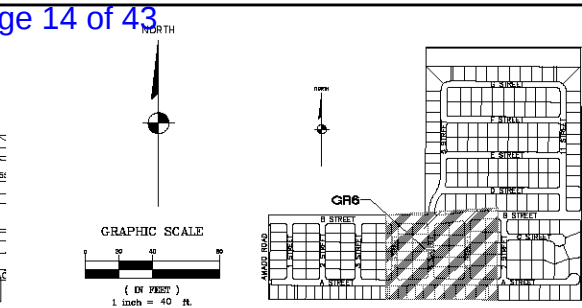
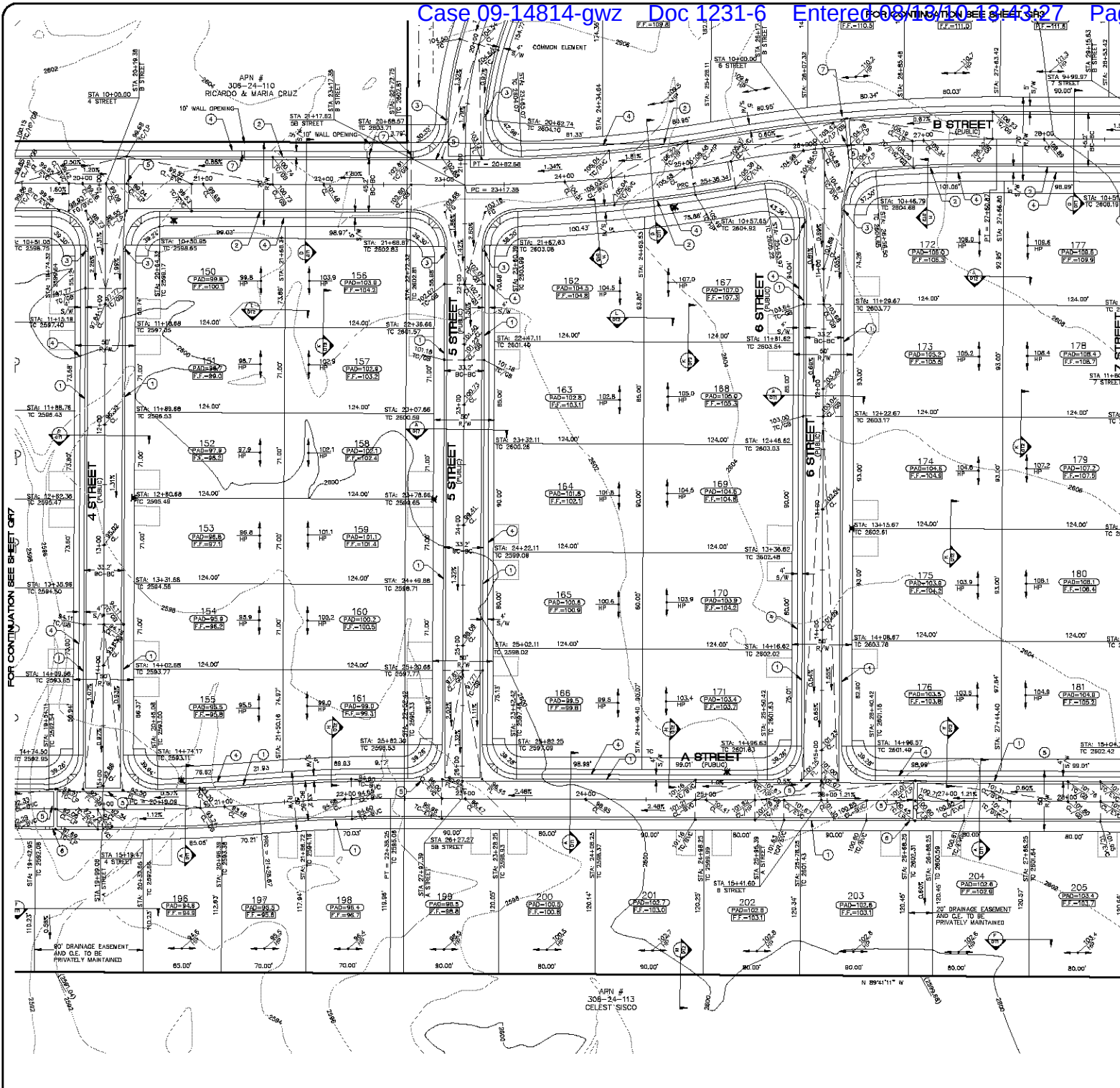
5650 S. Eastern Avenue, Suite 200  
Phoenix, Arizona 85042  
www.stanleygroup.com

**PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 05-31-05**

**KEY**

**SCALE**  
SCALE (H) 1"=40'  
SCALE (V) NONE  
DRAWN BY: GA/CD  
CHECKED BY: SH/DF  
DATE: 04-15-05

**SHEET**  
GR5  
13 OF 50 SHEETS  
SQ PROJECT# 18100



**BASIS OF BEARINGS**  
NORTH 00°14'17" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, BLA & SALT RIVERS WATERSHED, MARICOPA COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZCS-83), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NCS-OPUS.  
M.C.S.D. "83 35" = LATITUDE 33°09'22.43022"N, LONGITUDE 114°10'58.58308"W (NAD '83)  
HEIGHT 2488.568241R (NAVD 88)

**BENCH-MARK**  
BENCHMARK "A27 0" M.C.S.D.  
ELEVATION = 2855.468R (NAD '83)  
CONVERSION = 2862.014R (NAVD '88) - 2.548 - 2855.468R (NAVD '88)

**DESCRIPTION:** 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MARICOPA COUNTY 1989 "BLA 10343" LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**LEGEND**

- DRIVEWAY
- HIGH POINT SWALE DIRECTION
- EXISTING GRADE
- FUTURE GRADE
- TOP OF RET. WALL/TOP OF FOOTING
- PAD HIGH POINT ELEVATION
- FLOODED ELEVATION
- CENTERLINE FINISHED GRADE ELEVATION
- TOP OF CURB ELEVATION
- RATE & DIRECTION OF SLOPE
- STATIONING AT BACK OF CURB
- STATIONING AT FRONT OF CURB
- PERIMETER BLOCK WALL
- PROPERTY LINE
- RIGHT OF WAY
- GRADE BREAK
- SETBACK LINE
- CENTER LINE
- EXISTING LINE
- FUTURE LINE
- SCARP (3.1 MAX.)
- FINISH FLOOR ELEVATION
- PAD ELEVATION
- EXISTING CONTOUR
- LOT NUMBER
- EDGE OF PAVEMENT
- SWALE
- SUBDIVISION/UNIT BOUNDARY
- 5 FT TRANSITION ("L" CURB TO "ROLL" CURB)
- CURB, GUTTER, AND SIDEWALK
- BLOCK NUMBER

**NOTE**  
ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TECH. INC. DATED MARCH 28, 2005 PROJECT NO. 5522-L19.

1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the bearing capacity depends upon the soils expansive nature and this is subject to grading and loading at the time of final construction, see the Geotechnical Report for more information.

2) Retaining and block wall moisture protection reference line. See the Geotechnical Report for more information.

**FEMA FLOOD ZONE**  
FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAP DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

**CONSTRUCTION NOTES:**

- 24" ROLL CURB AND GUTTER PER M.A.C. STANDARD DETAIL NO. 220 (TYPE C) (SEE DETAIL SHEET D73)
- 24" "L" CURB AND GUTTER PER M.A.C. STANDARD DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET D73)
- 5' CURB TRANSITION PER M.A.C. STANDARD DETAIL NO. 221 (SEE DETAIL SHEET D73)
- CONCRETE SIDEWALK PER M.A.C. STANDARD DETAIL NO. 230 (SEE DETAIL SHEET D73)
- VALLEY GUTTER PER M.A.C. STANDARD DETAIL NO. 240 (SEE DETAIL SHEET D73)
- DROP CURB PER DETAIL ON SHEET D72
- SIDEWALK SCUMPER PER M.A.C. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET D74)

**DISCLAIMER NOTE**  
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

**PRELIMINARY ISSUE FOR REVIEW**  
NOT FOR CONSTRUCTION 05-31-05

**Stanley Consultants Inc.**

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Phoenix, Arizona 85044  
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Fax: (602) 998-1001  
www.stanleyconsultants.com

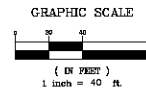
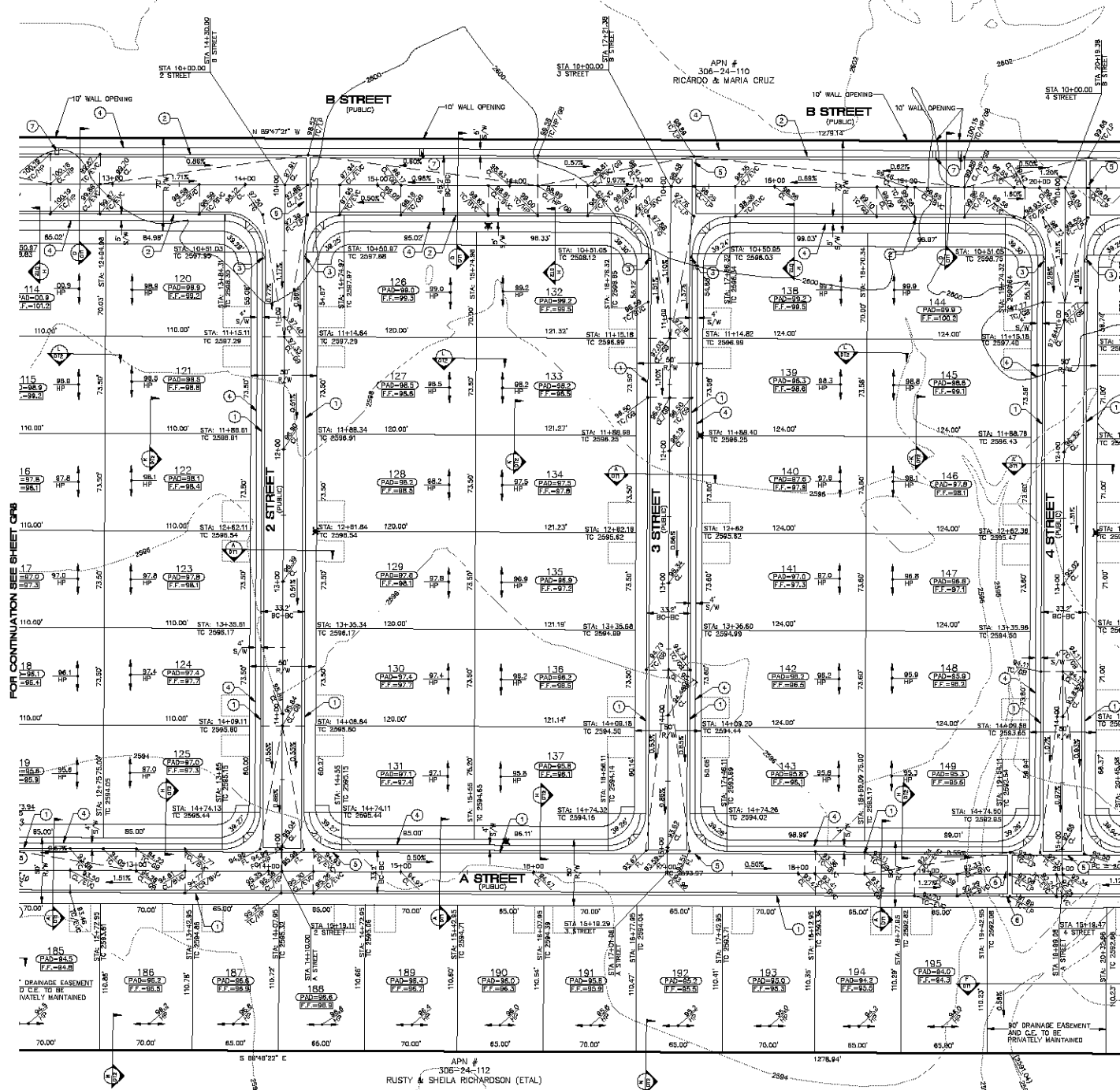
PHOENIX HOMES ARIZONA, LLC

AZTEC AT CHUAP

GRADING PLAN 6

PROJECT# 18100

14 OF 50 SHEETS



#### BASIS OF BEARINGS

NORTH 002°47' EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SEE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, QILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (ACRS-83) WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 35" = LATITUDE 33°08'22.43032"N, LONGITUDE 114°10'56.56309"W (NAD '83)  
HEIGHT 2488.58824m (NAVD'83)

#### BENCHMARK

BENCHMARK # "ACT 5" M.C.S.D.  
ELEVATION = 2559.488ft (NGVD '29)  
CONVERSION = 2562.014m (NAVD '83) = 2.548 - 2559.488ft (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "MS 1025"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

#### NOTE

ALL CONSTRUCTION SHALL CONFORM WITH THE SLOPE REPORT PREPARED BY GEO. TECH. INC. DATED MARCH 28, 2005 PROJECT NO. 5528-L19.

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils expansive nature and this is subject to grading and testing at the time of final construction, see the Geotechnical Report for more information.
- 2) Retaining and block wall moisture barrier protection reference IBC. See the Geotechnical Report for more information.

#### FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAP DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

#### CONSTRUCTION NOTES

- 1) 24" ROLL CURB AND GUTTER PER M.A.C. STANDARD DETAIL NO. 230 (TYPE C) (SEE DETAIL SHEET D13)
- 2) 24" "L" CURB AND GUTTER PER M.A.C. STANDARD DETAIL NO. 230 (TYPE A) (SEE DETAIL SHEET D13)
- 3) 5" CURB TRANSITION PER M.A.C. STANDARD DETAIL NO. 221 (SEE DETAIL SHEET D13)
- 4) CONCRETE SIDEWALK PER M.A.C. STANDARD DETAIL NO. 230 (SEE DETAIL SHEET D13)
- 5) VALLEY GUTTER PER M.A.C. STANDARD DETAIL NO. 240 (SEE DETAIL SHEET D13)
- 6) DROP CURB PER DETAIL ON SHEET D12
- 7) SIDEWALK SCOUR PER M.A.C. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET D14)

#### DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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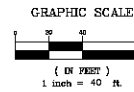
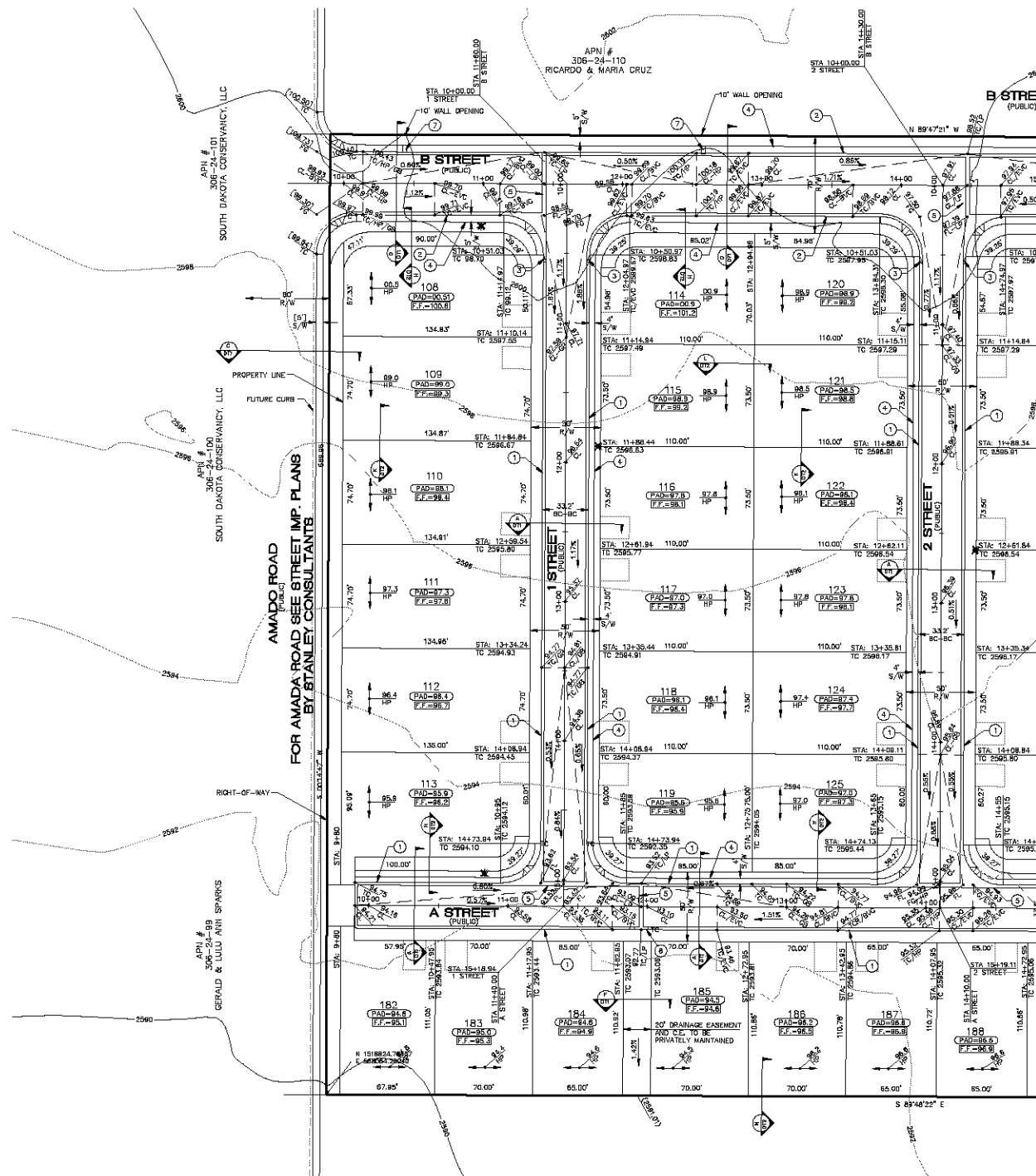
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NOT FOR CONSTRUCTION 05-31-05



SCALE (H) 1"=40'	SCALE (V) NONE	DRAWN BY GA/CD	CHECKED BY SH/DF	DATE 04-15-05
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Stanley Consultants Inc.  
5650 S. Eastern Avenue, Suite 200  
Phoenix, Arizona 85044  
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PHOENIX HOMES ARIZONA, LLC  
AZTEC AT CHUAP  
GRADING PLAN 7  
SHEET  
GR7  
15 OF 50 SHEETS  
SQ PROJECT# 18100

KEYMAP  
N.T.S.**BASIS OF BEARINGS**

NORTH 001°47' EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-88) WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 35" = LATITUDE 33°09'22.43032"N, LONGITUDE 114°10'58.56309"W (NAD 83)  
HEIGHT 2468.56824M (NAVD83)

**BENCHMARK**

BENCHMARK # "AZT 5" M.C.S.D.  
ELEVATION= 2559.488M (NGVD 29)  
CONVERSION= 2562.914M (NAVD 83) - 2.546 - 2559.488M (NGVD 29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MARICOPA COUNTY 1988 "M.S. 1033"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**NOTE**

ALL CONSTRUCTION SHALL CONFORM WITH THE SLOPE REPORT PREPARED BY GEO. TECH. INC. DATED MARCH 28, 2005  
PROJECT NO. 5522-L19.

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils expansive nature and this is subject to grading and testing at the time of final construction. See the Geotechnical Report for more information.
- 2) Retaining and block wall moisture barrier protection reference IBC. See the Geotechnical Report for more information.

**FEMA FLOOD ZONE**

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUJAL DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

**CONSTRUCTION NOTES:**

- 1) 24" ROLL CURB AND GUTTER PER M.A.G. STANDARD DETAIL NO. 220 (TYPE C) (SEE DETAIL SHEET DT3)
- 2) 24" "L" CURB AND GUTTER PER M.A.G. STANDARD DETAIL NO. 220 (TYPE A) (SEE DETAIL SHEET DT3)
- 3) 5' CURB TRANSITION PER M.A.G. STANDARD DETAIL NO. 221 (SEE DETAIL SHEET DT3)
- 4) CONCRETE SIDEWALK PER M.A.G. STANDARD DETAIL NO. 230 (SEE DETAIL SHEET DT3)
- 5) VALLEY GUTTER PER M.A.G. STANDARD DETAIL NO. 240 (SEE DETAIL SHEET DT3)
- 6) DROP CURB PER DETAIL ON SHEET DT2
- 7) SIDEWALK SCOUR PER M.A.G. STANDARD DETAIL NO. 203 (SEE DETAIL SHEET DT4)

**DISCLAIMER NOTE**

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SCALE (V) NONE	
SCALE (H) 1"=40'	

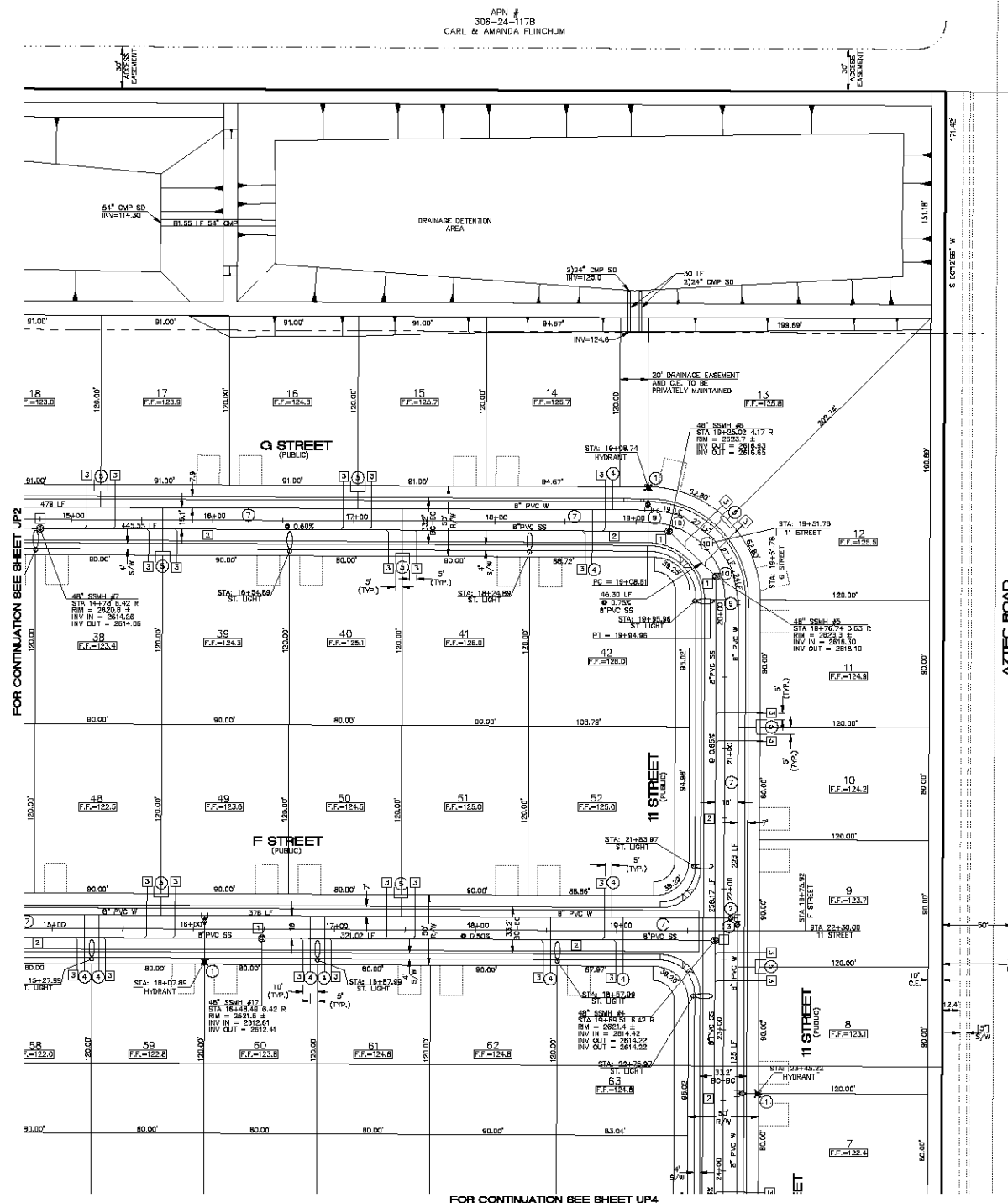
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PHOENIX HOMES ARIZONA, LLC  
AZTEC AT CHUJAL  
GRADING PLAN 8

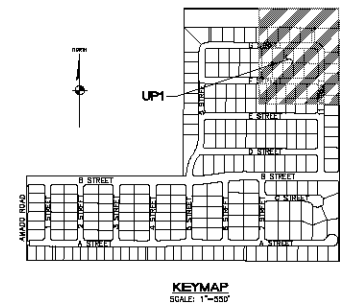
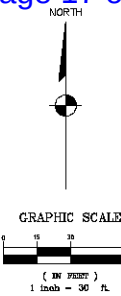
SHEET  
GR8  
18 OF 50 SHEETS  
SQ PROJECT# 18100

ARIZONA  
MARICOPA COUNTY



FOR AZTEC ROAD SEE STREET IMP. PLANS  
BY STANLEY CONSULTANTS INC.

APN # 306-38-005  
HELEN BOLDUCKER



#### SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN PER M.A.G. STANDARD DETAIL NO. 440
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NO. 440
4. INSTALL 8" PVC SEWER STUB & CAP

#### WATER CONSTRUCTION NOTES

1. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STANDARD DETAIL NO. 380
2. INSTALL 8" 8"x8" TEE
3. INSTALL 1" COPPER WATER LATERAL W/ 3/4" WATER METER PER CITY OF KIMMAN STANDARD DETAIL NO. 344
4. INSTALL 1" DUAL COPPER WATER LATERALS W/ 3/4" WATER METERS PER CITY OF KIMMAN STANDARD DETAIL NO. 344
5. 4" COP W/ BLOW-OFF PER M.A.G. STANDARD DETAIL NO. 380
6. INSTALL 8" PIPE CLASS 150 MEETING REQ. OF A.W.W.A. C-900
7. REMOVE EXISTING CAP & CONNECT TO EXIST. 8" WATER LINE
8. INSTALL 11.25' BEND
9. INSTALL 22.5' BEND
10. INSTALL 90' BEND

#### BASIS OF BEARINGS

NORTH 00°24'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GILA & SALT RIVER MORMON, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-MF), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PRECEDED BY NGS-OPUS.

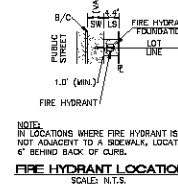
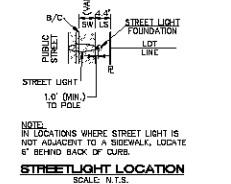
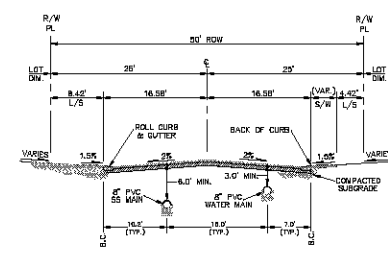
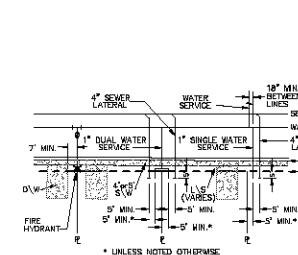
N.C.S.D. "60 35" = LATITUDE 30°09'22.43037"N, LONGITUDE 114°07'38.56309"W (NAD '83)

HEIGHT 2494.58824ft (NAVD'83)

#### BENCHMARK

BENCHMARK # 7421 5" N.C.S.D. '29  
ELEVATION= 2559.488ft (NGVD '29)  
CONVERSION= 2582.014ft (NAVD '88) - 2.546 = 2559.468ft (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "RLS 10343"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.



#### DISCLAIMER NOTE

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PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 05/13/05

PHODES HOMES ARIZONA, LLC  
AZTEC AT CHUAP  
UTILITY PLAN 1

17 OF 50 SHEETS  
SQ PROJECT# 18100

Stanley Consultants inc.




5650 S. Eastern Avenue, Suite 200  
(702) 556-1000 (Fax) (702) 398-9790  
www.stanleyconsultants.com











ARIZONA  
MOHAVE COUNTY






( IN FEET )  
1 inch = 30 ft.

UP2

**KEYMAP**  
SCALE: 1"=550'

120	LOT NUMBER
— — — — —	RIGHT OF WAY
	STREET LIGHT (100W HPS)
	NO. 3-1/2" PULL BOX
	SERVICE PEDESTAL
P.U.E.	PUBLIC UTILITY EASEMENT
C.E.	COMMON ELEMENT

	WATER MAIN
	3/4" WATER METER
	1" COPPER WATER LATERAL
	3/4" DUAL WATER METERS
	1" COPPER WATER LATERALS
	FIRE HYDRANT ASSEMBLY
	TEE W/VALVE
	2" SLOWOFF ASSEMBLY
	GATE VALVE OR BUTTERFLY VALVE
	11 1/4", 22 1/2", 45", 60" BEND

	SANITARY SEWER MANHOLE
	SANITARY SEWER MAIN
	4" PVC SEWER LATERAL
	48" STUB AND CAP
	SEWER BACK WATER VALVE

- 1 INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
- 2 INSTALL 8" PVC SEWER MAIN
- 3 INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NO. 440
- 4 INSTALL 8" PVC SEWER STUB & CAP

- ① INSTALL FIRE HYDRANT ASSEMBLY PER  
M.A.G. STANDARD DETAIL NO. 360
- ② INSTALL 1" C" WATER LATERAL VALVES
- ③ INSTALL 1" COPPER WATER LATERALS W/ 3/4" WATER METER  
PER CITY OF KINGMAN STANDARD DETAIL NO. 344
- ④ INSTALL 1" DUAL COPPER WATER LATERALS W/ 3/4" WATER METERS  
PER CITY OF KINGMAN STANDARD DETAIL NO. 344
- ⑤ 8" CAP W/ BLOW-OFF PER M.A.G. STANDARD DETAIL NO. 360
- ⑥ INSTALL 1" PIPING CLASS 150 MEETING REQ. OF A.W.W. C-600
- ⑦ REMOVE EXISTING CAP & CONNECT TO EXIST. 8" WATER LINE
- ⑧ INSTALL 11.25" BEND
- ⑨ INSTALL 22.5" BEND
- ⑩ INSTALL 80" BEND

NORTH 001°24'27" EAST - THE EAST LINE OF THE  
SOUTHEAST QUARTER (SE 1/4) OF SECTION 27,  
TOWNSHIP 21 NORTH, RANGE 16 WEST, QUILA & SALT  
RIVER MERIDIAN, MIDWAY COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COGNATE SYSTEM OF  
1963 (A203-WF), WEST ZONE, INTERNATIONAL FOOT,  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-DPLS.

N.C.S.D. "50 30" = LATITUDE 35°07'22.43032"N,  
LONGITUDE 114°01'58.58309"W (NAD 83)

HEIGHT 2468.5882491' (NAVD83)

BENCHMARK # "A2T 5" M.C.S.D.  
ELEVATION = 2650.460ft (NGVD '29)  
CONVERSION = 2662.014ft (NAVD '86) - 2.548 = 2659.460ft (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "RLS 10343"  
LOCATED AT THE SOUTHWEST CORNER OF A2TEC ROAD & BOLSA DRIVE.

[illegible]

**TYPICAL WATER AND SS LOCATIONS**  
SCALE: N.T.S.

**TYPICAL WATER AND SS MAIN LINE SECTION**  
SCALE: N.T.S.

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES SURROUNDING THE PROJECT HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

avoid cutting underground utility lines. It's costly.  
before you dig  
800-852-8542  
1-800-782-5348  
(1-800-852-8542 x2)

avoid overcutting power line conductors.  
before you Overhead  
1-978-753-5591  
LUMCON

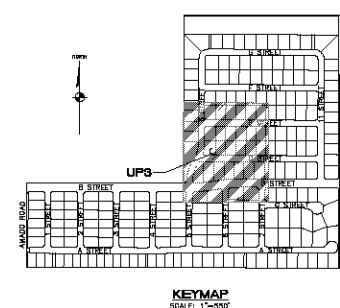
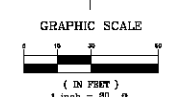
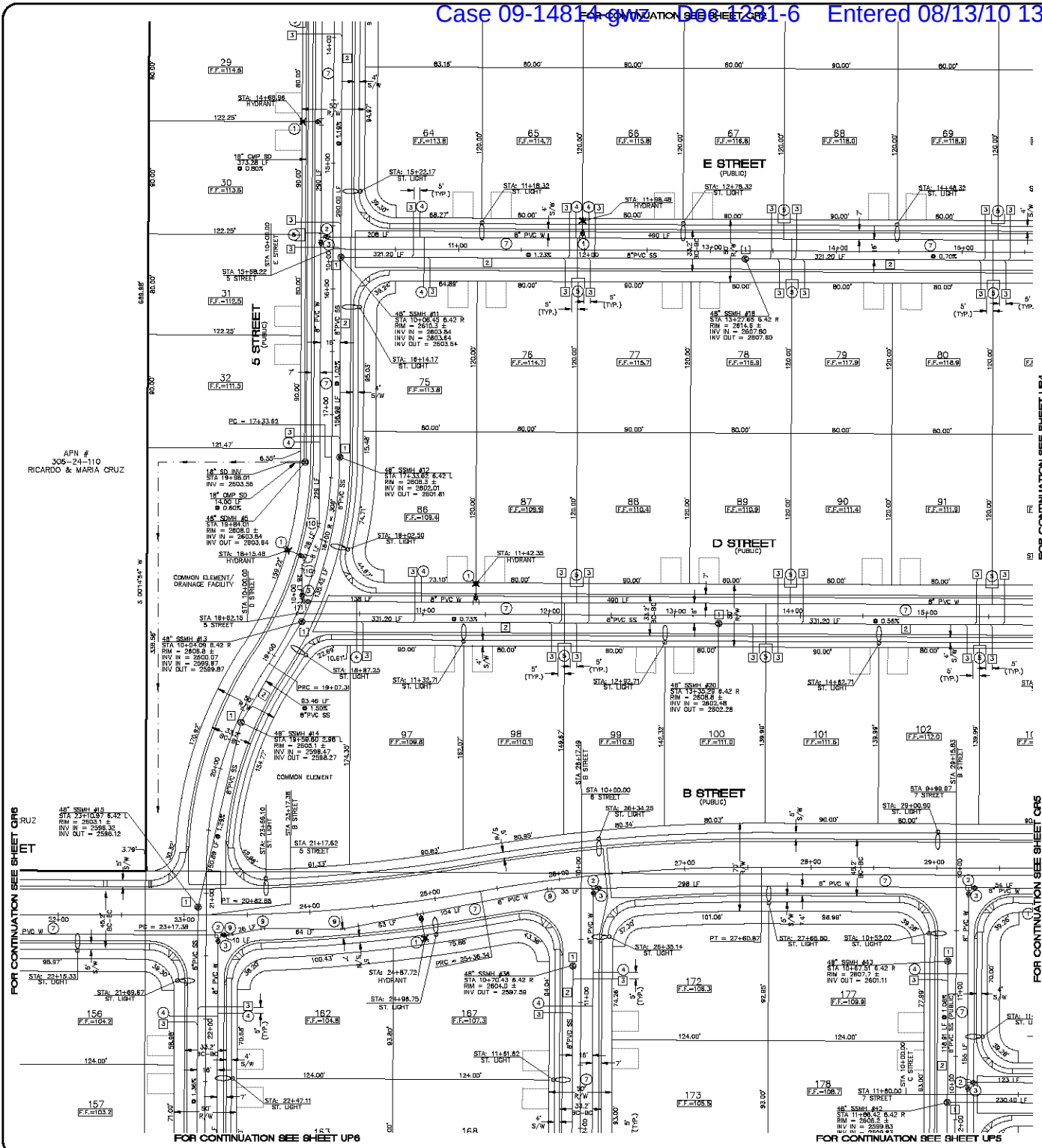
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 5880 S. Eastern Avenue, Suite 200  
Denver, Colorado 80231  
(702) 388-9266 Fax (702) 389-4793  
[www.stanleygroup.com](http://www.stanleygroup.com)

**Stanley Consultants inc.**

PHOENIX, ARIZONA, AZTEC AT CHUAR  
UTILITY PLAN 2

SHEET  
**UP2**  
18 OF 50 SHEETS  
SCI PROJECT#  
18100



**SEWER CONSTRUCTION NOTES**

1. INSTALL 48" DIAMETER MANHOLE PER M.A.S. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.S. STANDARD DETAIL NO. 440
4. INSTALL 8" PVC SEWER STUB & CAP

**WATER CONSTRUCTION NOTES**

1. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.S. STANDARD DETAIL NO. 380
2. INSTALL 8" x 8" TEE
3. INSTALL 8" GATE VALVE & VALVES
4. INSTALL 1" COPPER WATER LATERAL W/ 3/4" WATER METER PER CITY OF KIDMAN STANDARD DETAIL NO. 344
5. INSTALL 1" DUAL COPPER WATER LATERALS W/ 3/4" WATER METERS PER CITY OF KIDMAN STANDARD DETAIL NO. 344
6. 8" CAP W/ BLOW-OFF PER M.A.S. STANDARD DETAIL NO. 390
7. INSTALL 8" PVC PIPE CLASS 150 HETTING REG. OF A.W.W.A. C-100
8. REMOVE EXISTING CAP & CONNECT TO EXIST. 8" WATER LINE
9. INSTALL 11.25" BEND
10. INSTALL 22.5" BEND
11. INSTALL 90° BEND

**BASIS OF BEARINGS**

NORTH 60°34'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GLA & SALT RIVER MEDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-NAD), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

N.C.S.D. "80 35" = LATITUDE 35°06'22.43032"N, LONGITUDE 114°07'58.96309"W (NAD 83)

HEIGHT 2466.30824M (NAD83/86)

**BENCHMARK**

BENCHMARK # 721 5" M.C.S.D. ELEVATION = 2609.488M (NGVD '29) CONVERSION = 2662.014M (NAD '83) - 2,546' = 2659.488M (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1989 75.5 10247.

LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**LEGEND**

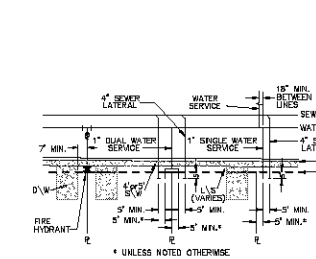
- 120 LOT NUMBER
- RIGHT OF WAY
- STREET LIGHT (100W HPS)
- NG 3-1/2" PULL BOX
- SERVICE PEDESTAL
- PUBLIC UTILITY EASEMENT
- COMMON ELEMENT

**WATER**

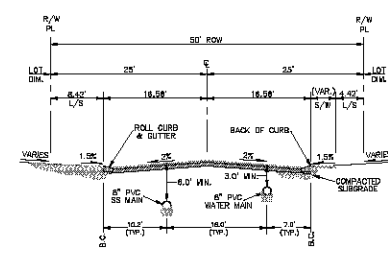
- WATER MAIN
- 3/4" WATER METER
- W/ 1" COPPER WATER LATERAL
- 3/4" DUAL WATER METERS
- W/ 1" COPPER WATER LATERALS
- FIRE HYDRANT ASSEMBLY
- TEE W/ VALVE
- 2" BLOWOFF ASSEMBLY
- GATE VALVE OR BUTTERFLY VALVE
- 11 1/4", 22 1/2", 45, 90° BEND

**SEWER**

- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- 48" STUB AND CAP
- SEWER BACK WATER VALVE



TYPICAL WATER AND SS LOCATIONS  
SCALE: N.T.S.



TYPICAL WATER AND SS MAIN LINE SECTION  
SCALE: N.T.S.

**DISCLAIMER NOTE**

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And utility, underground or overhead, with this plan, is shown before you Dig  
Call before you Dig  
1-800-785-5348  
(In AZ call 1-800-785-5348)

PRELIMINARY ISSUE FOR REVIEW  
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**Stanley Consultants Inc.**

PHOENIX, ARIZONA, LLC

AZTEC AT CHUAP UTILITY PLAN 3

MOHAVE COUNTY

SHEET

**UP3**

19 OF 50 SHEETS

PROJECT# 18100

DATE 04-15-05

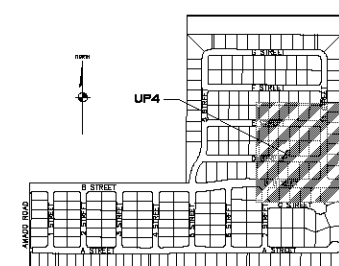
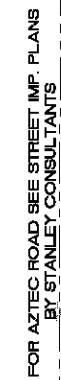
CHECKED BY SH/DF

DRAWN BY GA/CD

SCALE (H) 1"=40'

SCALE (V) NONE

SCALE (S) 1"=40'

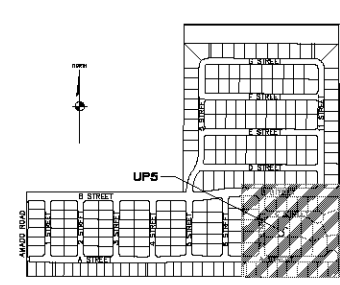
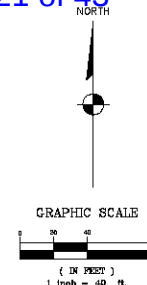
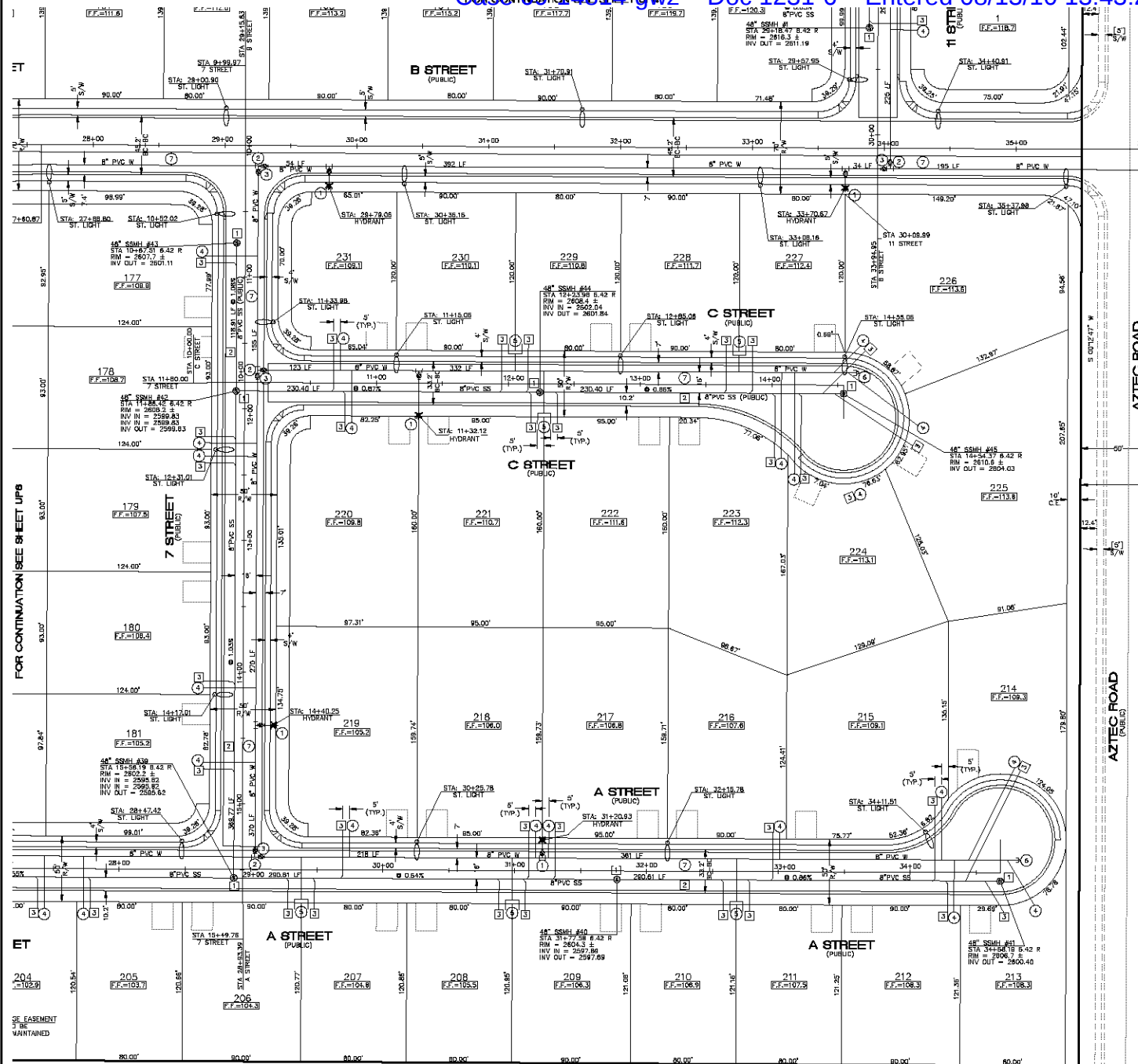


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**AZTEC AT CHUAR  
UTILITY PLAN 4**

<div style="display: flex; justify-content: space-between;"> <div> <p>ET</p> </div> <div> <p>MC HANE COUNTY</p> </div> </div>
<div style="text-align: center;"> <p>SHEET</p> <p><b>UP4</b></p> <p>20 OF 50 SHEETS</p> </div>
<div style="text-align: center;"> <p>SCI PROJECT#</p> <p>18100</p> </div>



### SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 420
2. INSTALL 8" PVC SEWER MAIN PER CITY OF KINGMAN STANDARD DETAIL NO. 344
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NO. 440
4. INSTALL 8" PVC SEWER STUB & CAP

### WATER CONSTRUCTION NOTES

1. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STANDARD DETAIL NO. 380
2. INSTALL 8" x 8" TEE
3. INSTALL 8" GATE VALVE & VALVES
4. INSTALL 1" COPPER WATER LATERAL W/ 3/4" WATER METER PER CITY OF KINGMAN STANDARD DETAIL NO. 344
5. INSTALL 1" DUAL COPPER WATER LATERALS W/ 3/4" WATER METERS PER CITY OF KINGMAN STANDARD DETAIL NO. 344
6. 8" CHD W/ BLOW-OFF PER M.A.G. STANDARD DETAIL NO. 380
7. INSTALL 8" PVC PIPE CLASS 150 MEETING REQ. OF A.W.W.A. C-900
8. REMOVE EXISTING CAP & CONNECT TO EXIST. 8" WATER LINE
9. INSTALL 11.25' BEND
10. INSTALL 22.5' BEND
11. INSTALL 90° BEND

### BASIS OF BEARINGS

NORTH 007°24' EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH RANGE 16 WEST, GLEA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-MP), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

N.C.S.D. "SD 35" = LATITUDE 35°W 22.430327N, LONGITUDE 114°17'38.363309W (NAD 83)

HEIGHT 2466.58824M (NAVD 83)

### BENCHMARK

BENCHMARK # "ACT 5" N.C.S.D., ELEVATION= 2559.468M (NGVD '29) CONVERSION= 2662.014M (NAVD '83) - 2548 = 2659.468M (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE, STAMP MOHAVE COUNTY 1989 "RLS 10343", LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

### LEGEND

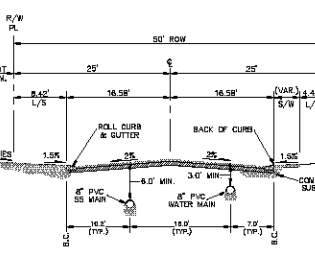
- |        |                         |
|--------|-------------------------|
| 120    | LOT NUMBER              |
| ---    | RIGHT OF WAY            |
| ○      | STREET LIGHT (100W HPS) |
| ■      | NO. 3-1/2" PULL BOX     |
| ■      | SERVICE PEDESTAL        |
| P.U.E. | PUBLIC UTILITY EASEMENT |
| C.E.   | COMMON ELEMENT          |

### WATER

- |   |                                 |
|---|---------------------------------|
| ○ | WATER MAIN                      |
| ○ | 3/4" WATER METER                |
| ○ | W/ 1" COPPER WATER LATERAL      |
| ○ | 3/4" DUAL WATER METERS          |
| ○ | W/ 1" COPPER WATER LATERALS     |
| ○ | FIRE HYDRANT ASSEMBLY           |
| ○ | TEE W/ VALVE                    |
| ○ | 2" BLOWOFF ASSEMBLY             |
| ○ | GATE VALVE OR BUTTERFLY VALVE   |
| ○ | 11 1/4", 22 1/2", 45", 90" BEND |

### SEWER

- |   |                        |
|---|------------------------|
| ○ | SANITARY SEWER MANHOLE |
| ○ | SANITARY SEWER MAIN    |
| ○ | 4" PVC SEWER LATERAL   |
| ○ | 48" STUB AND CAP       |
| ○ | SEWER BACK WATER VALVE |



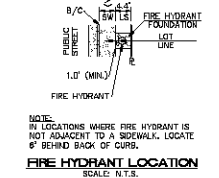
TYPICAL WATER AND SS MAIN LINE SECTION  
SCALE: N.T.S.

### DISCLAIMER NOTE

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Call before you Dig  
1-800-789-3346  
(T-800-484-6346)

Call before you Overhead  
1-878-753-5591  
(800-484-6346)



FIRE HYDRANT LOCATION  
SCALE: N.T.S.

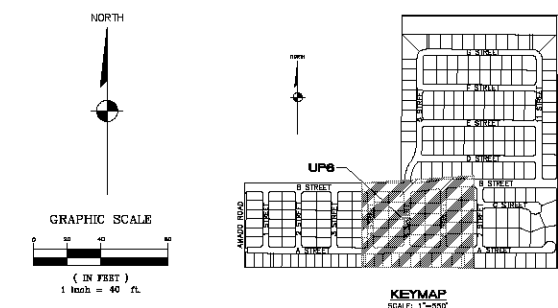
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NOT FOR CONSTRUCTION 05/13/05








DATE	04-15-05
CHECKED BY	SH/DF
DRAWN BY	GA/CD
SCALE	(H) 1"=40'
SCALE	(V) NONE
PROJECT	300-36-013
DATE	04-15-05

**Stanley Consultants Inc.**  
3600 S. Eastern Avenue, Suite 300  
Phoenix, Arizona 85042  
www.stanleyconsultants.com

PHOENIX HOMES ARIZONA, LLC  
AZTEC AT CHUAP  
UTILITY PLAN 5  
SHEET  
UP5  
21 OF 50 SHEETS  
SQ PROJECT# 18100



- FOR CONTINUATION SEE SHEET UP5

- |   |                        |
|---|------------------------|
|  | SANITARY SEWER MANHOLE |
|  | SANITARY SEWER MAIN    |
|  | 4" PVC SEWER LATERAL   |
|  | 48" STUB AND CAP       |
|  | SEWER BACK WATER VALVE |



Avoid drilling underground  
 utility lines. It's costly.  
 Call before you dig  
 1-800-782-5348  
 (1-800-832-6171)

Avoid overhead power  
 line contact.  
 Call before you Overhead  
 1-828-753-5591  
 1-800-832-6171

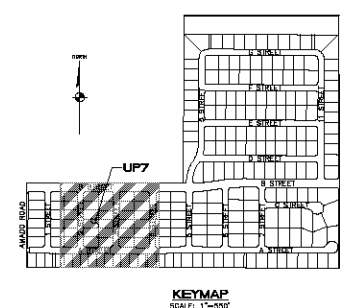
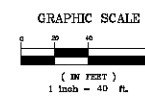
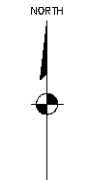
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**FIRE HYDRANT LOCATION**  
SCALE: N.T.S.


APN #  
306-24-113  
CELEST SISCO

**AZTEC AT CHUAR  
UTILITY PLAN 6**











		MOHAVE COUNTY
SHEET		
UP6		
22	OF	50 SHEETS
SCI PROJECT#		
18100		








### LEGEND

- |   |                         |
|---|-------------------------|
| 120   | LOT NUMBER              |
| — — — — —   | RIGHT OF WAY            |
|  | STREET LIGHT (100W HPS) |
| ■   | NO. 3-1/2" PULL BOX     |
| ■   | SERVICE PEDESTAL        |
| P.U.E.  | PUBLIC UTILITY EASEMENT |
| C.E.  | COMMON ELEMENT          |

**WATER**

- |  |                                 |
|--|---------------------------------|
|   | WATER MAIN                      |
|   | 3/4" WATER METER                |
|   | W/ 1" COPPER WATER LATERAL      |
|   | 3/4" DUAL WATER METERS          |
|   | W/ 1" COPPER WATER LATERALS     |
|   | FIRE HYDRANT ASSEMBLY           |
|   | TEE W/ VALVE                    |
|   | 2" BLOWOFF ASSEMBLY             |
|   | GATE VALVE OR BUTTERFLY VALVE   |
|  | 11 1/4", 22 1/2", 45", 90" BEND |

## SEWER

-  SANITARY SEWER MANHOLE  
 SANITARY SEWER MAIN  
 4" PVC SEWER LATERAL  
 48" STUB AND CAP  
 SEWER BACK WATER VALVE

- 

## TYPICAL WATER AND SB MAIN LINE SECTION

SALE: N.T.S.

basal milling underground

avoid cutting underground  
utility lines. It's costly.  
before you Dig  
call 800-782-5348  
(1-800-782-5348)

avoid overhead power  
line contact.  
before you Overhead  
call 1-978-753-5591  
1-978-753-5591

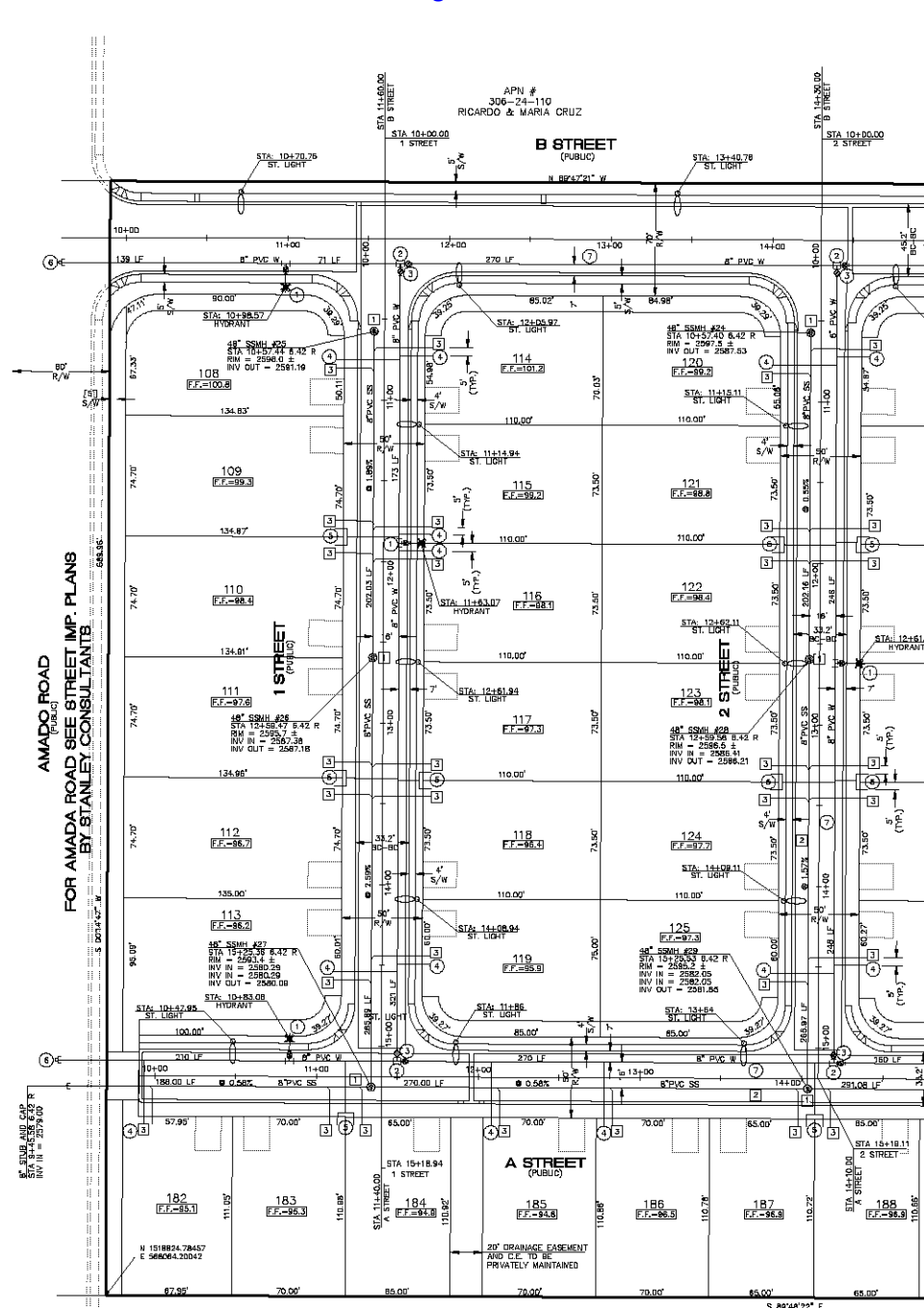
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(702) 388-9266 Fax (702) 389-4793  
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**Stanley Consultants inc.**

**AZTEC AT CHUAR  
UTILITY PLAN 7**

SHEET  
**UP7**  
23 OF 50 SHEETS  
SCI PROJECT#  
18100

APN # 306-24-101  
SOUTH DAKOTA CONSERVANCY, LLCAPN # 306-24-100  
SOUTH DAKOTA CONSERVANCY, LLCAPN # 306-24-100  
GERALD & LULU ANN SPARKSAMADO ROAD  
(PUBLIC)  
FOR AMADO ROAD SEE STREET IMP. PLANS  
BY STANLEY CONSULTANTS

FOR CONTINUATION SEE SHEET UP7

## SEWER CONSTRUCTION NOTES

1. INSTALL 48" DIAMETER MANHOLE PER M.A.G. STANDARD DETAIL NO. 429
2. INSTALL 8" PVC SEWER MAIN
3. INSTALL 4" PVC SEWER LATERAL PER M.A.G. STANDARD DETAIL NO. 440
4. INSTALL 8" PVC SEWER STUB & CAP

## WATER CONSTRUCTION NOTES

1. INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G. STANDARD DETAIL NO. 360
2. INSTALL 4" 8" 8" TEE
3. INSTALL 1" COPPER WATER LATERAL W/ 3/4" WATER METER PER CITY OF KINGMAN STANDARD DETAIL NO. 344
4. INSTALL 1" DUAL COPPER WATER LATERALS W/ 3/4" WATER METERS PER CITY OF KINGMAN STANDARD DETAIL NO. 344
5. 8" CAP W/ BLOW-OFF PER M.A.G. STANDARD DETAIL NO. 300
6. INSTALL 8" PVC PIPE CLASS 150 MEETING REQ. OF A.W.W.A. C-900
7. REMOVE EXISTING CAP & CONNECT TO EXIST. 8" WATER LINE
8. INSTALL 11.325' BEND
9. INSTALL 22.5' BEND
10. INSTALL 90° BEND

## BASIS OF BEARINGS

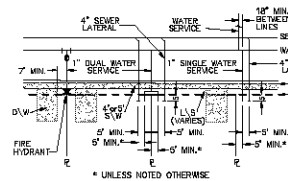
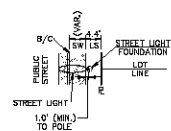
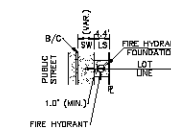
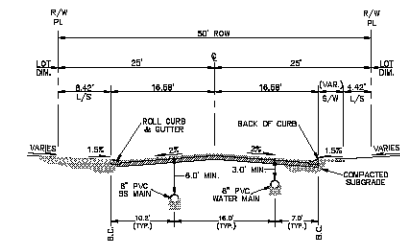
NORTH 001°27'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 16 WEST, GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 35" - LATITUDE 25°09'22.43032"N  
LONGITUDE 114°10'58.56309"W (NAD '83)  
HEIGHT 2466.58824m (NAVD'88)

## BENCHMARK

BENCHMARK # "Z1" S.M.C.S.D.  
ELEVATION = 2659.468m (NGVD '29)  
CONVERSION = 2662.014m (NAVD '88) - 2.546 = 2659.468m (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "RLS 10342"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

TYPICAL WATER AND SS LOCATIONS  
SCALE: N.T.S.STREET LIGHT LOCATION  
SCALE: N.T.S.FIRE HYDRANT LOCATION  
SCALE: N.T.S.TYPICAL WATER AND SS MAIN LINE SECTION  
SCALE: N.T.S.

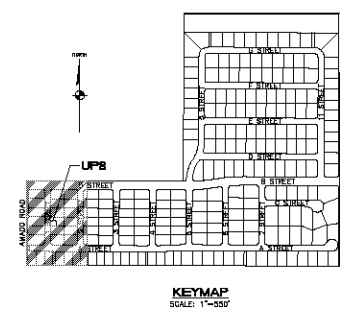
## DISCLAIMER NOTE

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Call before you dig  
800-4-A-DIG  
1-800-782-6348  
(toll-free)

Call before you dig  
800-4-A-DIG  
1-800-782-6348  
(toll-free)

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## LEGEND

- 120 LOT NUMBER
- RIGHT OF WAY
- STREET LIGHT (100W HPS)
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- P.U.E. PUBLIC UTILITY EASEMENT
- C.E. COMMON ELEMENT

## WATER

- WATER MAIN
- 3/4" WATER METER
- W/ 1" COPPER WATER LATERAL
- 3/4" DUAL WATER METERS
- W/ 1" COPPER WATER LATERALS
- FIRE HYDRANT ASSEMBLY
- TEE W/ VALVE
- 2" BLOWOFF ASSEMBLY
- GATE VALVE OR BUTTERFLY VALVE
- 11 1/4", 22 1/2", 45", 90° BEND

## SEWER

- SANITARY SEWER MANHOLE
- SANITARY SEWER MAIN
- 4" PVC SEWER LATERAL
- 48" STUB AND CAP
- SEWER BACKWATER VALVE



DATE	BY	CHKD	APP'D
04-15-05	SH/DF		

SCALE (H) 1"=40'

SCALE (V) NONE

DRAWN BY: GA/CD

CHECKED BY: SH/DF

DATE: 04-15-05

5650 S. Eastern Avenue, Suite 200  
Phoenix, Arizona 85034  
www.stanleyconsultants.com

Stanley Consultants Inc.

ARIZONA

PHOENIX HOMES ARIZONA, LLC

AZTEC AT CHUAP  
UTILITY PLAN 8

MOHAVE COUNTY

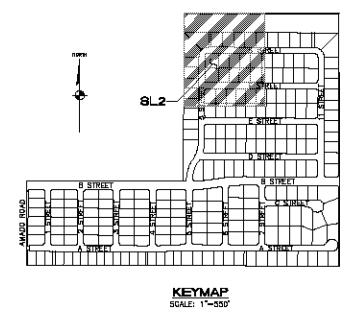
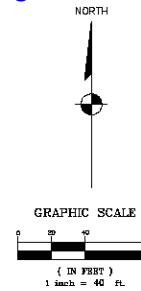
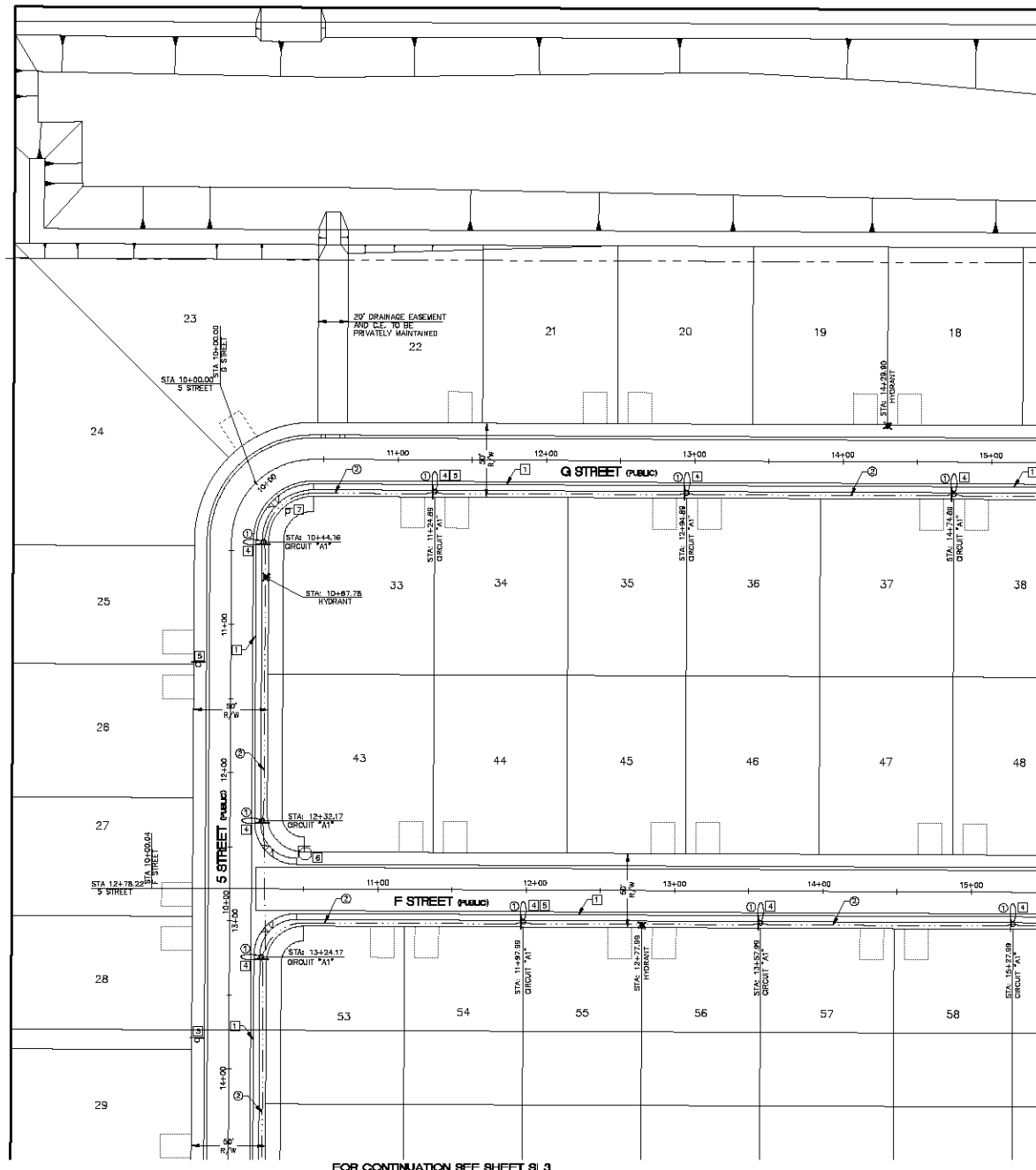
SHEET  
UP8

24 OF 50 SHEETS  
SQ PROJECT# 18100



APN #  
308-24-117C  
DAVID & MICHELLE GEORGE

APN #  
308-24-109  
VERA YGLESIAS (ETAL)



### NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'A'

#### STREETLIGHT CIRCUIT 'A' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT AZTEC ROAD	=	125 AMPS
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	=	40.0 AMPS
40 EA - 100 WATT @ 1.0 AMPS EACH	=	40.0 AMPS
TOTAL PROPOSED LOAD	=	40.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	40.0 AMPS
REMAINING AVAILABLE LOAD	=	85.0 AMPS

#### STREETLIGHT CIRCUIT 'A2' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT AZTEC ROAD	=	125 AMPS
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	=	33.0 AMPS
33 EA - 100 WATT @ 1.0 AMPS EACH	=	33.0 AMPS
TOTAL PROPOSED LOAD	=	33.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	33.0 AMPS
REMAINING AVAILABLE LOAD	=	92.0 AMPS

### NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'B'

#### STREETLIGHT CIRCUIT 'B' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT ANADIG ROAD	=	125 AMPS
SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	=	22.0 AMPS
22 EA - 100 WATT @ 1.0 AMPS EACH	=	22.0 AMPS
TOTAL PROPOSED LOAD	=	22.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	22.0 AMPS
REMAINING AVAILABLE LOAD	=	103.0 AMPS

### LIGHTING CONSTRUCTION NOTES

1. INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHIT DTS
2. INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 501 ON SHIT DTS
3. INSTALL 125 AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHIT DTS

### TRAFFIC CONSTRUCTION NOTES

1. PAINT CURB RED
2. INSTALL W4-1 "DEAD END"
3. INSTALL W4-2 "NO OUTLET"
4. INSTALL "NO PARKING FIRE LANE SIGN" PER DETAIL THIS SHEET
5. INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
6. INSTALL 30" R1-1 "STOP SIGN" W/ (2) 5" D3 "STREET NAME SIGNS"
7. INSTALL TWO 8" D3 "STREET NAME SIGNS"

\*NOTE: NOT ALL NOTES USED ON THIS SHEET

### BASIS OF BEARINGS

NORTH 00°12'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 23 NORTH, RANGE 18 WEST, CLM & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-NP), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-ORUS.

M.C.S.D. "SD 35" = LATITUDE 35°09'32.43032"N  
LONGITUDE 114°10'58.56309"W (NAD '83)  
HEIGHT 2486.888244ft (NAVD'83)

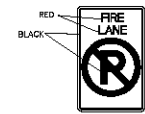
### BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.  
ELEVATION= 2659.468ft (NGVD '89)  
CONVERSION= 2662.044ft (NAVD '83) - 2.546 = 2659.468ft (NGVD '89)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1989 "B.S. 10342"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 04/15/05

### LEGEND

- 1 1/4" STREET LIGHT CONDUIT
- PROPOSED 100 W HPS LUMINAIRE
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- PROPOSED STREET SIGNS
- PROPOSED STOP SIGN W/ (2) STREET NAME SIGNS



FIRE LANE SIGN (12"X 18")  
RED AND BLACK ON WHITE  
LUMINOUS BACKGROUND

### DETAIL 'A' - LIGHTING STANDARD SETBACK

NO SCALE

### DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Not calling underground utility lines. Call before you dig.  
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or 1-800-782-6348  
or 1-800-782-6348

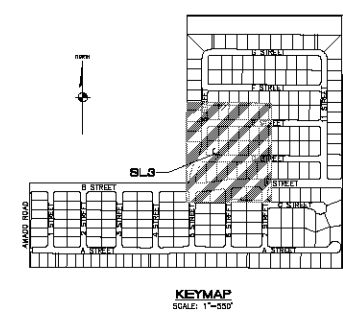
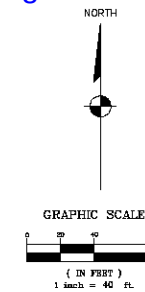


DATE	04-15-05
CHECKED BY	SH/DF
DRAWN BY	DA/CD
SCALE	(V) NONE
SCALE (H)	1"=40'

Stanley Consultants Inc.  
5600 S. Eastern Avenue, Suite 200  
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PHOENIX HOMES ARIZONA, LLC  
AZTEC AT CHUJAR  
STREET LIGHT AND TRAFFIC CONTROL PLAN  
MOHAVE COUNTY

SHEET  
SL2  
28 OF 50 SHEETS  
PROJECT#  
18100



### STREETLIGHT CIRCUIT "A" CAPACITY VERIFICATION

LOCATION: ENTRANCE AT AZTEC ROAD		<b>LEGEND</b>	
SERVICE PEDESTAL CAPACITY	=	125 AMPS	1 1/4" STREET LIGHT CONDUIT
CIRCUIT BREAKER	=	80 AMPS	40 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS	PROPOSED 100 W HPS LUMINAIRE
EXISTING CIRCUIT LOAD	=	0 AMPS	■ NO. 3-1/2" PULL BOX
PROPOSED LUMINAIRE LOAD TO CIRCUIT			■ SERVICE PEDESTAL
40 EA - 100 WATT @ 1.0 AMPS EACH	=	40.0 AMPS	□ PROPOSED STREET SIGNS
TOTAL PROPOSED LOAD	=	40.0 AMPS	□ PROPOSED STOP SIGN W/ (X)
EXISTING PLUS PROPOSED LOAD	=	40.0 AMPS	□ STREET NAME SIGN
REMAINING AVAILABLE LOAD	=	8.0 AMPS	

STREETLIGHT CIRCUIT 'A2' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT AZTEC ROAD	=	125 AMPS
SERVICE PEDESTAL CAPACITY	=	80 AMPS
CIRCUIT BREAKER	=	48 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	0 AMPS
EXISTING CIRCUIT LOAD		
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
33 EA - 100 WATT @ 1.0 AMPS EACH	=	33.0 AMPS
TOTAL PROPOSED LOAD	=	33.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	33.0 AMPS
REMAINING AVAILABLE LOAD	=	15.0 AMPS

### STREETLIGHT CIRCUIT "BT" CAPACITY VERIFICATION

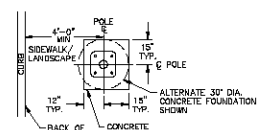
LOCATION: ENTRANCE AT ANAGO ROAD	
SERVICE PEDESTAL CAPACITY	= 125 AMPS
CIRCUIT BREAKER	= 80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	= 48 AMPS
EXISTING CIRCUIT LOAD	= 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	
22 EA - 100 WATT @ 1.0 AMPS EACH	= 22.0 AMPS
TOTAL PROPOSED LOAD	= 22.0 AMPS
EXISTING PLUS PROPOSED LOAD	= 22.0 AMPS
REMAINING AVAILABLE LOAD	= 28.0 AMPS



FIRE LANE SIGN (12"X 18")  
RED AND BLACK ON WHITE  
LUMINOUS BACKGROUND

- ① INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHT DTS
- ② INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 501 ON SHT DTS
- ③ INSTALL 125 AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHT DTS

1	PAIN'T CURB RED
2	INSTALL W14-1 "DEAD END"
3	INSTALL W14-2 "NO OUTLET"
4	INSTALL "NO PARKING FIRE LANE SIGN" PER DETAIL THIS SHEET
5	INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
6	INSTALL 3C/ R1-1 "STOP SIGN" W/ (2) 8" Ø 3 "STREET NAME S
7	INSTALL TWO 8" Ø 3 "STREET NAME SIGN"



\*NOTE: NOT ALL NOTES USED ON THIS SHEET

NORTH 007247° EAST - THE EAST LINE OF THE  
SOUTHEAST QUARTER (SE 1/4) OF SECTION 27,  
TOWNSHIP 21 NORTH, RANGE 18 WEST, GLA & SALT  
RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF  
1983 (AZ83-WF), WEST ZONE, INTERNATIONAL FOOT,  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "50 35" - LATITUDE 35°09'22.43032"N,  
LONGITUDE 114°10'58.56309"W (NAD '83)  
HEIGHT 2466.56824ft (NAVD'88)

BENCHMARK # 'AZT 5" M.C.S.D.  
ELEVATION= 2659.468ft (NGVD '29)  
CONVERSION= 2682.014ft (NAVD '83) - 2.546 =  
2659.468ft (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "RLS 10343",  
LOCATED AT THE SOUTHERN CORNER OF AZTEC R  
& BOLSA DRIVE.

PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 04/15/05

**DETAIL "A" - LIGHTING STANDARD SETBACK**

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVER-HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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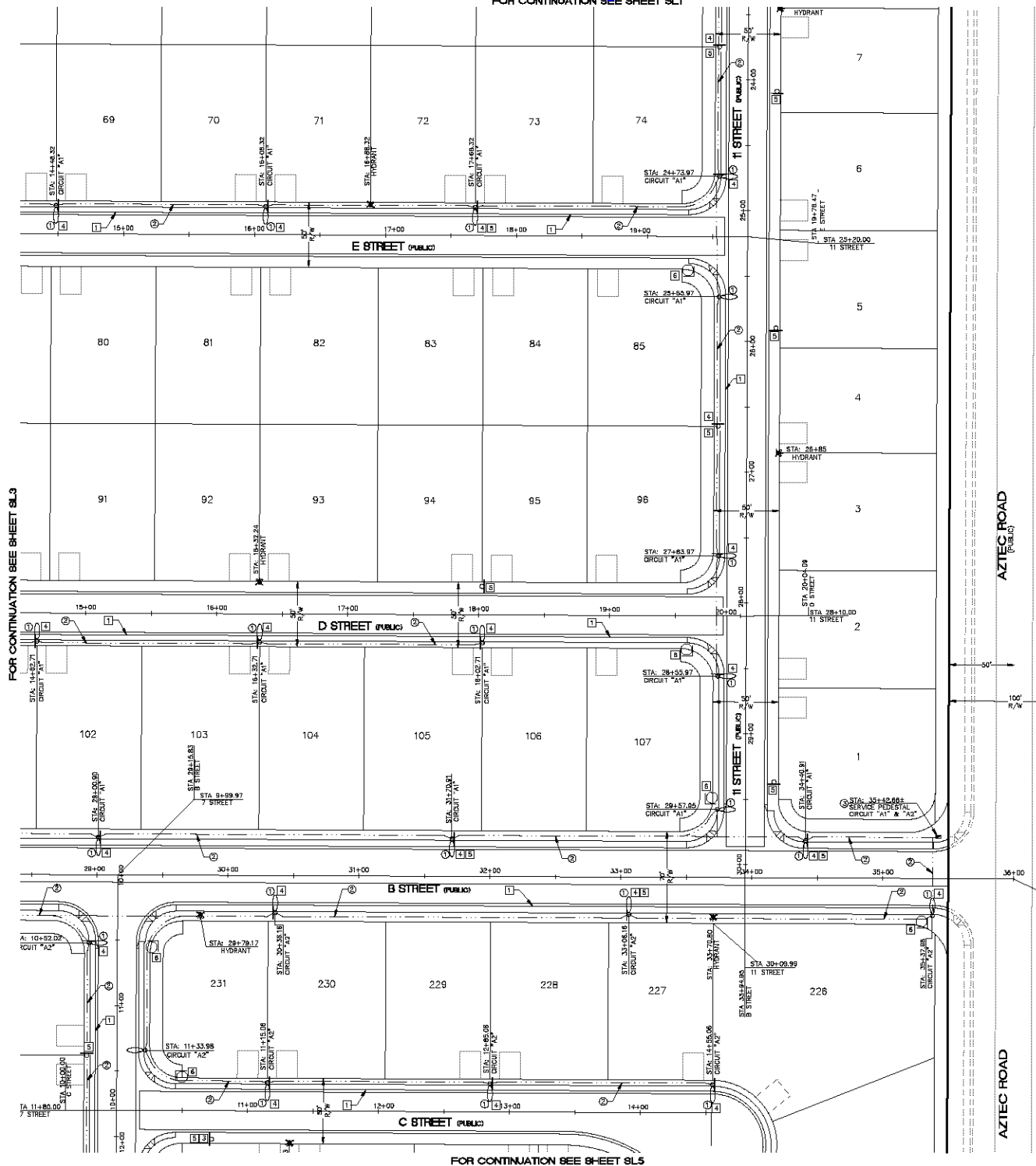
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AZTEC AT CHUAR  
STREET LIGHT AND TRAFFIC CONTROL PLAN

MCNAVE COUNTY  
ARIZONA

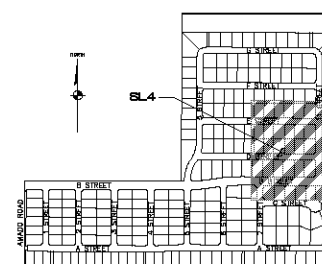
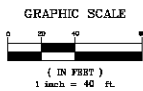
SHEET  
**SL3**  
OF 50 SHEETS  
SCI PROJECT#  
18100

FOR CONTINUATION SEE SHEET SL3



FOR CONTINUATION SEE SHEET SL5

 APN # 306-39-012  
 BULLHEAD GOLDEN LLC

 FOR AZTEC ROAD SEE STREET IMP. PLANS  
 BY STANLEY CONSULTANTS
KEYMAP  
SCALE: 1"=300'

## NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'A'

STREETLIGHT CIRCUIT 'A' CAPACITY VERIFICATION	
LOCATION: ENTRANCE AT AZTEC ROAD	
SERVICE PEDESTAL CAPACITY	= 125 AMPS
CIRCUIT BREAKER	= 80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	= 48 AMPS
EXISTING CIRCUIT LOAD	= 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	
40 EA - 100 WATT @ 1.0 AMPS EACH	= 40.0 AMPS
TOTAL PROPOSED LOAD	= 40.0 AMPS
EXISTING PLUS PROPOSED LOAD	= 40.0 AMPS
REMAINING AVAILABLE LOAD	= 85.0 AMPS

## STREETLIGHT CIRCUIT 'A2' CAPACITY VERIFICATION

STREETLIGHT CIRCUIT 'A2' CAPACITY VERIFICATION	
LOCATION: ENTRANCE AT AZTEC ROAD	
SERVICE PEDESTAL CAPACITY	= 125 AMPS
CIRCUIT BREAKER	= 80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	= 48 AMPS
EXISTING CIRCUIT LOAD	= 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	
33 EA - 100 WATT @ 1.0 AMPS EACH	= 33.0 AMPS
TOTAL PROPOSED LOAD	= 33.0 AMPS
EXISTING PLUS PROPOSED LOAD	= 33.0 AMPS
REMAINING AVAILABLE LOAD	= 92.0 AMPS

## NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'B'

STREETLIGHT CIRCUIT 'B' CAPACITY VERIFICATION	
LOCATION: ENTRANCE AT ANASO ROAD	
SERVICE PEDESTAL CAPACITY	= 125 AMPS
CIRCUIT BREAKER	= 80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	= 48 AMPS
EXISTING CIRCUIT LOAD	= 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	
33 EA - 100 WATT @ 1.0 AMPS EACH	= 33.0 AMPS
TOTAL PROPOSED LOAD	= 33.0 AMPS
EXISTING PLUS PROPOSED LOAD	= 33.0 AMPS
REMAINING AVAILABLE LOAD	= 92.0 AMPS

## LIGHTING CONSTRUCTION NOTES

1. INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHIT DTS
2. INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 501 ON SHIT DTS
3. INSTALL 125 AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHIT DTS

## TRAFFIC CONSTRUCTION NOTES

1. PAINT CURB RED
2. INSTALL W4-1 "DEAD END"
3. INSTALL W4-2 "NO OUTLET"
4. INSTALL "NO PARKING FIRE LANE SIGN" PER DETAIL THIS SHEET
5. INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
6. INSTALL 30" R1-1 "STOP SIGN" W/ (2) 3" D3 "STREET NAME SIGNS"
7. INSTALL TWO 8" D3 "STREET NAME SIGNS"

\*NOTE: NOT ALL NOTES USED ON THIS SHEET

## BASIS OF BEARINGS

NORTH 001°47' EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, GLA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-N83), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 39" = LATITUDE 35°08'22.43032"N  
 LONGITUDE 114°19'58.56309"W (NAD '83)  
 HEIGHT 2466.698244m (NAVD'88)

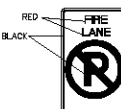
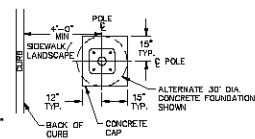
## BENCH-MARK

BENCHMARK # "AZT 8" M.C.S.D.  
 ELEVATION= 2659.468m (NGVD '29)  
 CONVERSION= 2659.468m (NAVD '88) - 2.546 = 2656.922m (NGVD '29)  
 DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
 STAMP MOHAVE COUNTY 1084 "PLS 1034"  
 LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

 PRELIMINARY ISSUE FOR REVIEW  
 NOT FOR CONSTRUCTION 04/15/05

## LEGEND

- 1 1/4" STREET LIGHT CONDUIT
- PROPOSED 100 W HPS LUMINAIRE
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- PROPOSED STREET SIGNS
- PROPOSED STOP SIGN W/ (2) STREET NAME SIGNS

FIRE LANE SIGN (12"X 18")  
RED AND BLACK ON WHITE  
LUMINOUS BACKGROUND

\*NOTE: FOUNDATIONS SHALL BE LOCATED OUTSIDE OF THE SIDEWALK WHEREVER FEASIBLE. A CLEARANCE OF 36" SHALL BE MAINTAINED ON SIDEWALK TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.

DETAIL 'A' - LIGHTING STANDARD SETBACK  
NO SCALE

## DISCLAIMER NOTE

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DATE	BY	REVISION
04-15-05	SH/DF	1

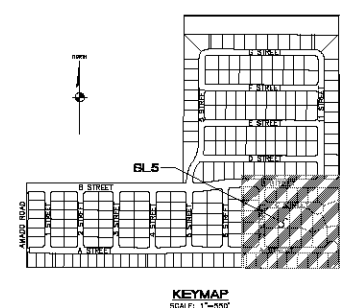
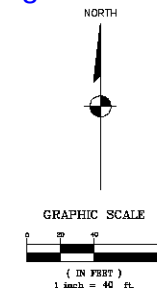
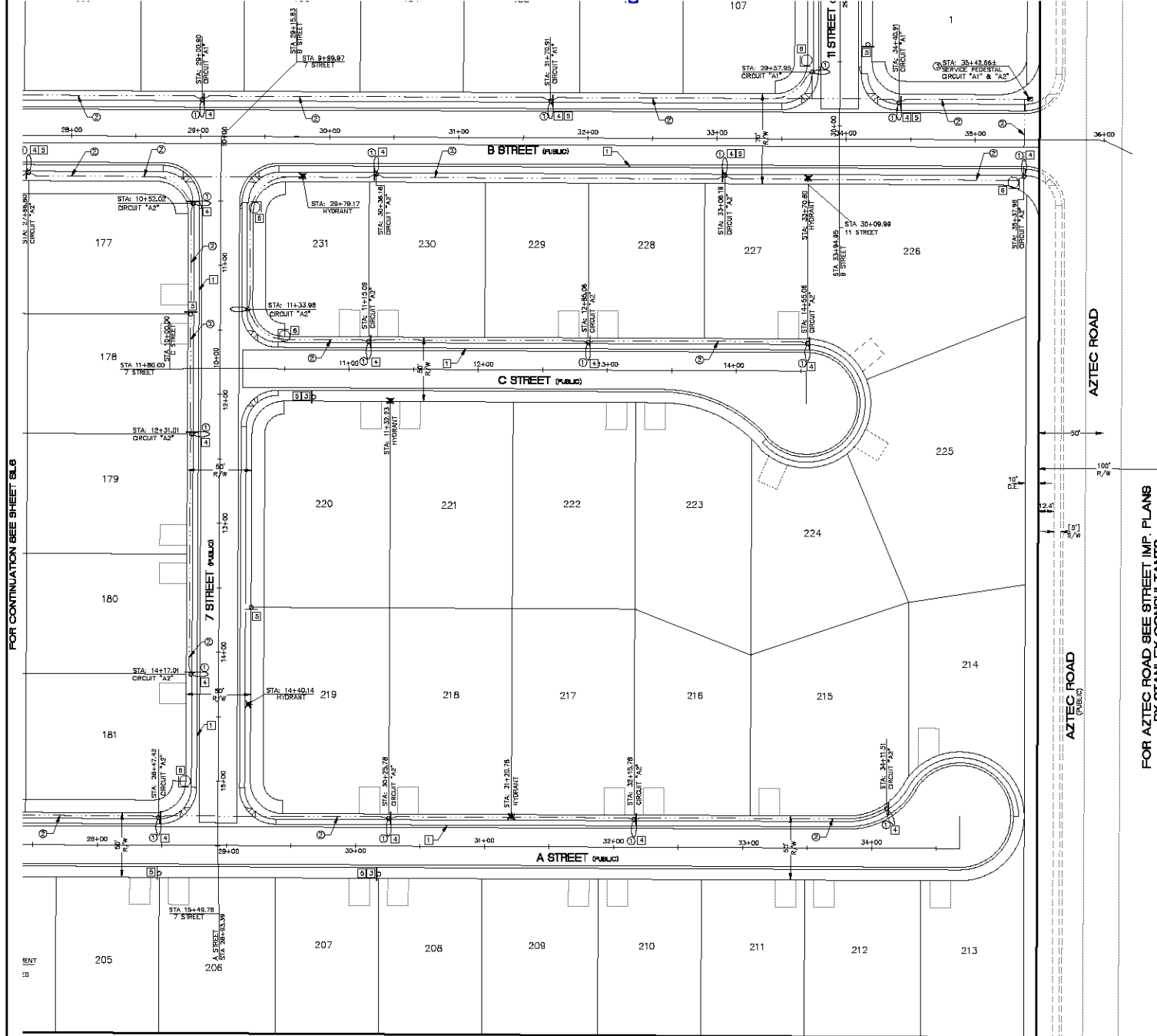
SCALE (H) 1"=40'  
 SCALE (V) NONE  
 DRAWN BY: SH/DF  
 CHECKED BY: SH/DF  
 DATE: 04-15-05

5600 S. Eastern Avenue, Suite 200  
 Phoenix, Arizona 85034  
 (602) 998-1100  
 www.stanleyconsultants.com



RHODES HOMES ARIZONA, LLC  
 AZTEC AT CHUAP  
 STREET LIGHT AND TRAFFIC CONTROL PLAN  
 ARIZONA  
 MOHAVE COUNTY

SHEET  
 SL4  
 28 OF 50 SHEETS  
 SQ PROJECT# 18100



**NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'A'**

**STREETLIGHT CIRCUIT 'A' CAPACITY VERIFICATION**

LOCATION: ENTRANCE AT AZTEC ROAD	=	125 AMPS
SERVICE PEDESTAL CAPACITY	=	80 AMPS
CIRCUIT BREAKER	=	80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	=	0 AMPS
40 EA - 100 WATT @ 1.0 AMPS EACH	=	40.0 AMPS
TOTAL PROPOSED LOAD	=	40.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	40.0 AMPS
REMAINING AVAILABLE LOAD	=	40.0 AMPS

**STREETLIGHT CIRCUIT 'A2' CAPACITY VERIFICATION**

LOCATION: ENTRANCE AT AZTEC ROAD	=	125 AMPS
SERVICE PEDESTAL CAPACITY	=	80 AMPS
CIRCUIT BREAKER	=	80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	=	0 AMPS
33 EA - 100 WATT @ 1.0 AMPS EACH	=	33.0 AMPS
TOTAL PROPOSED LOAD	=	33.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	33.0 AMPS
REMAINING AVAILABLE LOAD	=	15.0 AMPS

**NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'B'**

**STREETLIGHT CIRCUIT 'B' CAPACITY VERIFICATION**

LOCATION: ENTRANCE AT ANADIG ROAD	=	125 AMPS
SERVICE PEDESTAL CAPACITY	=	80 AMPS
CIRCUIT BREAKER	=	80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	=	0 AMPS
22 EA - 100 WATT @ 1.0 AMPS EACH	=	22.0 AMPS
TOTAL PROPOSED LOAD	=	22.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	22.0 AMPS
REMAINING AVAILABLE LOAD	=	28.0 AMPS

**LIGHTING CONSTRUCTION NOTES**

1. INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHIT DTS
2. INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 501 ON SHIT DTS
3. INSTALL 125 AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHIT DTS

**TRAFFIC CONSTRUCTION NOTES**

1. PAINT CURB RED
2. INSTALL W4-1 "DEAD END"
3. INSTALL W4-2 "NO OUTLET"
4. INSTALL TWO PARKING FIRE LANE SIGN PER DETAIL THIS SHEET
5. INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
6. INSTALL 30" R1-1 "STOP SIGN" W/ (2) 3" D3 "STREET NAME SIGN"
7. INSTALL TWO 8" D3 "STREET NAME SIGN"

\*NOTE: NOT ALL NOTES USED ON THIS SHEET

**BASIS OF BEARINGS**

NORTH 001°47' EAST - THE EAST LINE OF THE SOUTHWEST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, CL & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (ACRS-83), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

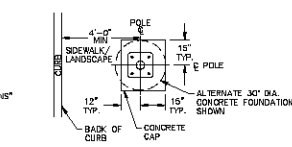
M.C.S.D. "SD 35" - LATITUDE 35°09'22.43032"N, LONGITUDE 114°10'58.58305"W (NAD 83)  
HEIGHT 2465.568249 (NAVD 83)

**BENCHMARK**

BENCHMARK # "AZT 5" M.C.S.D.  
ELEVATION: 2659.468R (NGVD '29)  
CONVERSION: 2660.014R (NAVD '83) - 2.946 = 2659.468R (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1988 TELS 12345, LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & 803.54 DRIVE.

**DETAIL 'A' - LIGHTING STANDARD SETBACK**

NO SCALE



NOTE: FOUNDATIONS SHALL BE LOCATED OUTSIDE OF THE SIDEWALK WHEREVER POSSIBLE A CLEARANCE OF 36" SHALL BE MAINTAINED ON SIDEWALK TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.

**DISCLAIMER NOTE**

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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1-800-787-5348  
(1-800-833-4343)

PRELIMINARY ISSUE FOR REVIEW  
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Stanley Consultants Inc.

PHOES HOMES ARIZONA, LLC

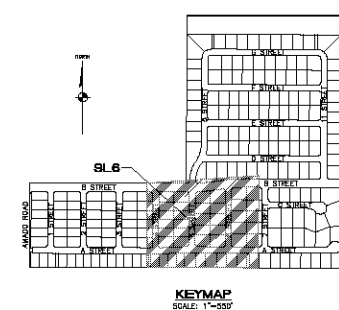
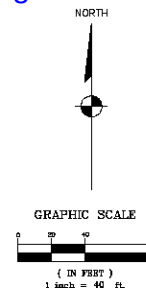
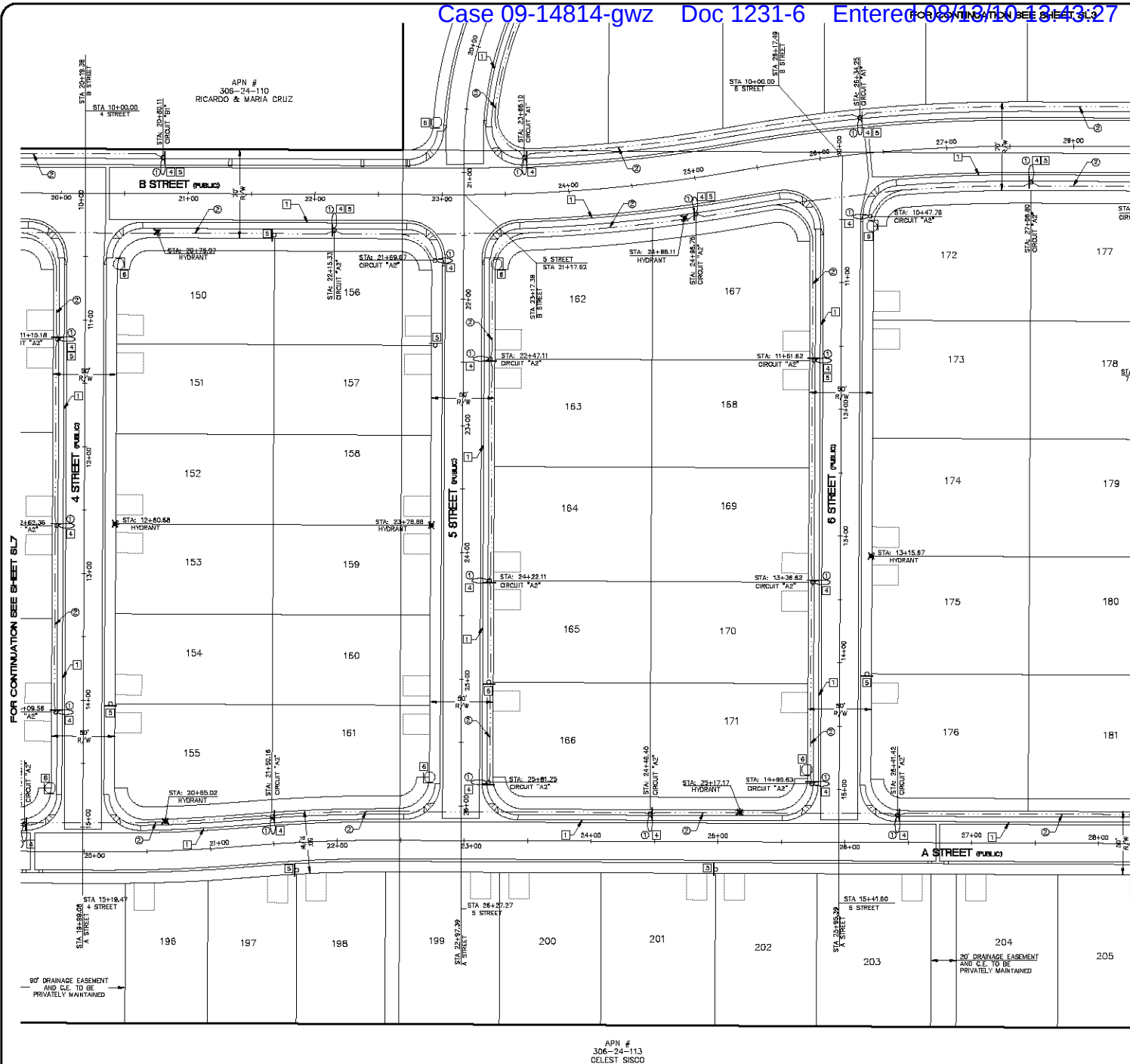
AZTEC AT CHUJAR  
STREET LIGHT AND TRAFFIC CONTROL PLAN

MOHAVE COUNTY

3606 S. Eastern Avenue, Suite 200  
Phoenix, Arizona 85041-1703 308-9790  
www.stanleygroup.com

SCALE (H) 1"=40'  
SCALE (V) NONE  
DRAWN BY: GA/CD  
CHECKED BY: SH/DF  
DATE: 04-15-05

SHEET  
29 OF 50 SHEETS  
SQ PROJECT# 18100



### NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'A'

#### STREETLIGHT CIRCUIT 'A' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT AZTEC ROAD	
SERVICE PEDESTAL CAPACITY	= 125 AMPS
CIRCUIT BREAKER	= 80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	= 48 AMPS
EXISTING CIRCUIT LOAD	= 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	= 40.0 AMPS
40 EA - 100 WATT @ 1.0 AMPS EACH	= 40.0 AMPS
TOTAL PROPOSED LOAD	= 40.0 AMPS
EXISTING PLUS PROPOSED LOAD	= 40.0 AMPS
REMAINING AVAILABLE LOAD	= 8.0 AMPS

#### STREETLIGHT CIRCUIT 'A2' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT AZTEC ROAD	
SERVICE PEDESTAL CAPACITY	= 125 AMPS
CIRCUIT BREAKER	= 80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	= 48 AMPS
EXISTING CIRCUIT LOAD	= 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	= 33.0 AMPS
33 EA - 100 WATT @ 1.0 AMPS EACH	= 33.0 AMPS
TOTAL PROPOSED LOAD	= 33.0 AMPS
EXISTING PLUS PROPOSED LOAD	= 33.0 AMPS
REMAINING AVAILABLE LOAD	= 15.0 AMPS

### NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'B'

#### STREETLIGHT CIRCUIT 'B' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT ANADIG ROAD	
SERVICE PEDESTAL CAPACITY	= 125 AMPS
CIRCUIT BREAKER	= 80 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	= 48 AMPS
EXISTING CIRCUIT LOAD	= 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	= 22.0 AMPS
22 EA - 100 WATT @ 1.0 AMPS EACH	= 22.0 AMPS
TOTAL PROPOSED LOAD	= 22.0 AMPS
EXISTING PLUS PROPOSED LOAD	= 22.0 AMPS
REMAINING AVAILABLE LOAD	= 28.0 AMPS

### LIGHTING CONSTRUCTION NOTES

1. INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHT DTS
2. INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 501 ON SHT DTS
3. INSTALL 125 AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHT DTS

### TRAFFIC CONSTRUCTION NOTES

1. PAINT CURB RED
2. INSTALL W4-1 "DEAD END"
3. INSTALL W4-2 "NO OUTLET"
4. INSTALL "NO PARKING FIRE LANE SIGN" PER DETAIL THIS SHEET
5. INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
6. INSTALL 30" R1-1 "STOP SIGN" W/ (2) 3" D3 "STREET NAME SIGN"
7. INSTALL TWO 8" D3 "STREET NAME SIGN"

\*NOTE: NOT ALL NOTES USED ON THIS SHEET

### BASIS OF BEARINGS

NORTH 091°47' EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, CL & SALT RIVER WATERSHED, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-88), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "50 35" - LATITUDE 35°00'00.43287" N  
HEIGHT 2466.55524' (NAVD83)

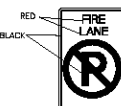
### BENCHMARK

BENCHMARK # "A2" 5" M.C.S.D.  
ELEVATION= 2658.466' (NGVD '29)  
CONVERSION= 2682.014' (NAVD '83) - 2.546' = 2684.560' (NGVD '83)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE STAMP MOHAVE COUNTY 1989 THIS BENCH IS LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

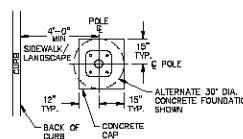
PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 04/15/05

### LEGEND

- 1 1/4" STREET LIGHT CONDUIT
- PROPOSED 100 W HPS LUMINAIRE
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- PROPOSED STREET SIGNS
- PROPOSED STOP SIGN W/ (2) STREET NAME SIGNS



RED AND BLACK ON WHITE LUMINOUS BACKGROUND



NOTE: FOUNDATIONS SHALL BE LOCATED OUTSIDE OF THE SIDEWALK, WHENEVER FEASIBLE, A CLEARANCE OF 30" SHALL BE MAINTAINED AS INDICATED TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.

### DETAIL 'A' - LIGHTING STANDARD SETBACK

NO SCALE

### DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you dig  
1-800-735-5551  
Call before you overhead  
1-800-735-5551

**Stanley Consultants Inc.**

5600 S. Eastern Avenue, Suite 200  
Phoenix, Arizona 85042  
Tel: (602) 998-1100 Fax: (602) 998-9790  
www.stanleyconsultants.com

PHOENIX HOMES ARIZONA, LLC

AZTEC AT CHUAP

STREET LIGHT AND TRAFFIC CONTROL PLAN

MOHAVE COUNTY

SHEET

**SL6**

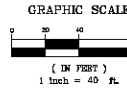
30 OF 50 SHEETS

PROJECT# 18100





① SIDEWALK ACCESS RAMP TYPE "D" PER M.A.G. STANDARD DETAIL NO. 234



**LEGEND**

- 
- (30.0)  
29.75  
(30.0)  
29.75  
29.18  
29.75  
29.95  
29.00
- = EXISTING GRADE  
= FUTURE GRADE  
= FLOWLINE ELEVATION  
= CENTERLINE FINISHED GRADE ELEVATION  
= TOP OF CURB ELEVATION  
= RATE & DIRECTION OF SLOPE  
= STATIONING AT BOD (CULDESAC)  
= PROPERTY LINE  
= RIGHT OF WAY  
= GRADE BREAK  
= CENTER LINE  
= EXISTING COUNTER  
= LOT NUMBER  
= EDGE OF PAVEMENT  
= SUBDIVISION/UNIT BOUNDARY  
= 5-FT TRAVEL ("L" CURBS TO "ROLL" CURBS)  
= CURB & GUTTER  
= 5/8" RAMP
- (STA: 10+04.89)

## BASIS OF BEARINGS

NORTH 00°12'47" EAST - THE EAST LINE OF THE  
SOUTHEAST QUARTER (SE 1/4) OF SECTION 27,  
TOWNSHIP 21 NORTH, RANGE 18 WEST, GLA & SALT  
RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF  
1983 (A263-WF), WEST ZONE, INTERNATIONAL FOOT,  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 35" - LATITUDE 35°08'22.43032"N,  
LONGITUDE 114°10'58.58309"W (NAD '83)  
HEIGHT 2465.568241ft (NAVD'88)

## BENCHMARK

BENCHMARK # "ACT 5" M.C.S.D.  
ELEVATION= 2659.460ft (NGVD '29)  
CONVERSION= 2682.014ft (NAVD '83) - 2.546 = 2659.468ft (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "RLS 10343"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**NOTE:**

ALL CONSTRUCTION SHALL CONFORM WITH THE  
SOILS REPORT PREPARED BY GEO TEK, INC.  
DATED MARCH 28, 2005  
PROJECT No. 502B-118

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils expansive nature and this is subject to grading and testing at the time of final construction. See the Geotechnical Report for more information
- 2) Retaining and block walls moisture barrier protection reference IBC. See the Geotechnical Report for more information

FEMA\_FLOOD\_ZONE

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAR DOES NOT LIE WITHIN  
A DESIGNATED SPECIAL FLOOD HAZARD AREA.

**DISCLAIMER NOTE**

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground  
 utility lines. It's costly.  
 Call before you  
 Dig  
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 (1-800-224-2171)

SCALE  $\langle H \rangle$   $1^\circ = 40^\circ$ 

SCALE (V) 1"=4'

CHECKED BY SH/NE  
DRAWN BY GA

DATE 04-15-05

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820 S. Eastern Avenue, Suite 200

Las Vegas, Nevada 89119  
(702) 358-9346 Fax (702) 359-9799  
[www.infomile.com](http://www.infomile.com)

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**Stearns Consultants Inc.**

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**Stanley Com**

**RHODES HOMES ARIZONA, LLC**

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**AZTEC AT CHUAR**

### B STREET PLAN AND PROFILE

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33 0

PR

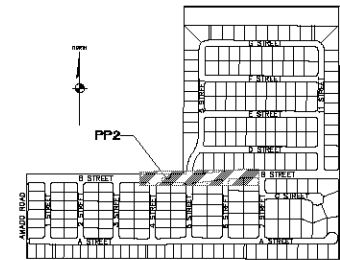
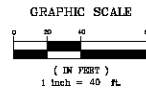
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CONSTRUCTION NOTES:

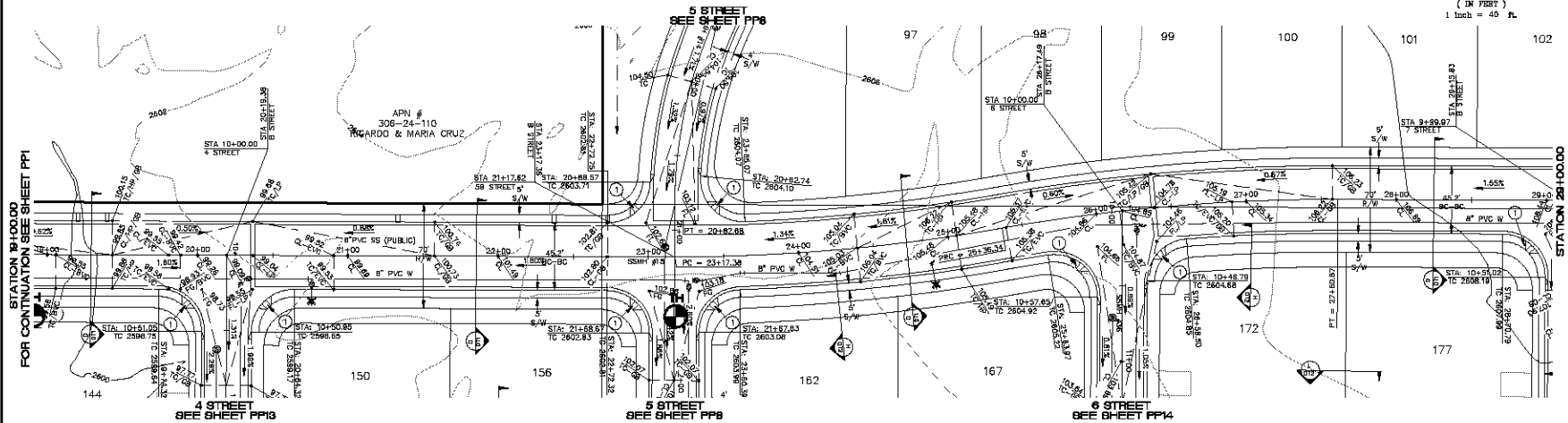
① SIDEWALK ACCESS RAMP TYPE 'D' PER M.A.C. STANDARD DETAIL NO. 234



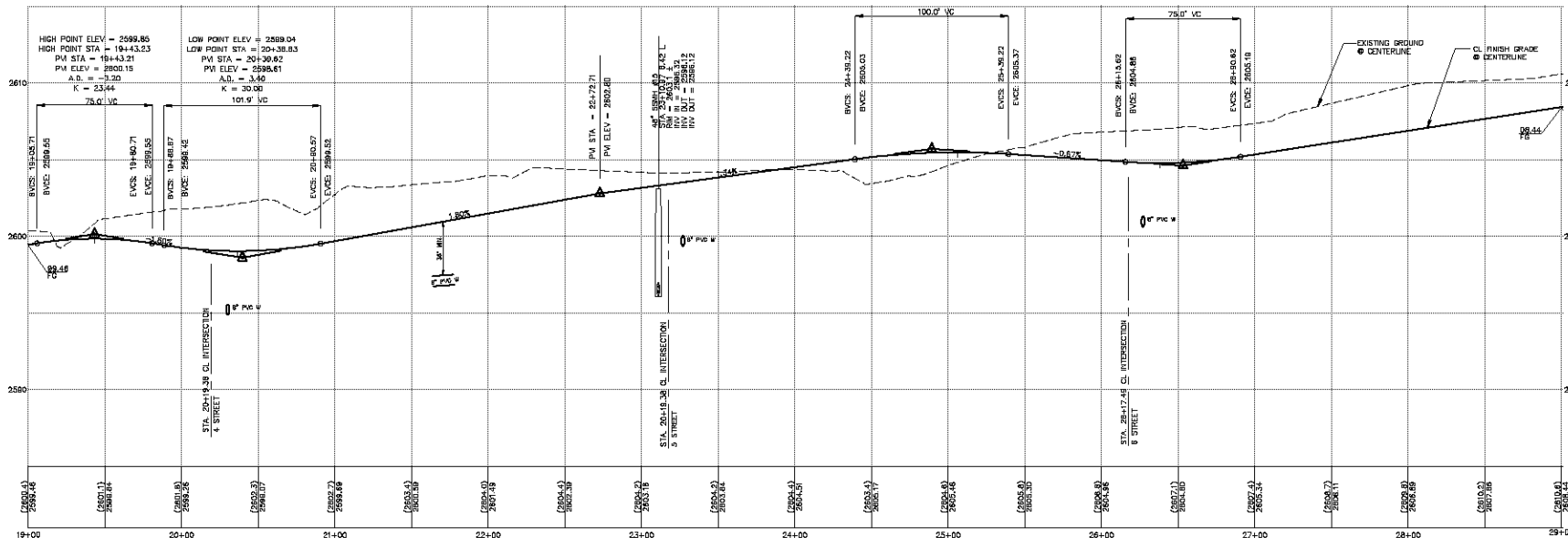
KEYMAP  
SCALE: 1"=300'

LEGEND

- = EXISTING GRADE
- - - = FUTURE GRADE
- = FLOWLINE ELEVATION
- = CENTERLINE FINISHED GRADE ELEVATION
- = TOP OF CURB ELEVATION
- = RATE & DIRECTION OF SLOPE
- = STATIONING AT BOC (CULDESAC)
- = PROPERTY LINE
- = RIGHT OF WAY
- = GRADE BREAK
- = CENTER LINE
- = EXISTING CONTOUR
- = LOT NUMBER
- = SUBDIVISION/UNIT BOUNDARY
- = 5' FT TRANSITION ("L" CURB TO "M" CURB)
- = CURB & GUTTER
- = S/W RAMP



B STREET (PRIVATE)  
SCALE: HORIZONTAL = 1" = 40'  
VERTICAL = 1" = 4'



BASIS OF BEARING

NORTH 00°12'47" EAST - THE EAST LINE OF THE  
SOUTHEAST QUARTER (SE 1/4) OF SECTION 27,  
TOWNSHIP 21 NORTH, RANGE 18 WEST, Q1A & SALT  
RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF  
1983 (AZCS-83), WEST ZONE, INTERNATIONAL FOOT,  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

N.C.S.D. "SD 30" - LATITUDE 35°08'22.43032"N,  
LONGITUDE 114°07'58.58309"W (NAD '83)  
HEIGHT 2485.56241ft (NAVD'83)

BENCHMARK

BENCHMARK: # "AZT 5" M.C.S.D.  
ELEVATION= 2659.468ft (NGVD '29)  
CONVERSION= 2662.014ft (NAVD '83) - 2.546 = 2659.468ft (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 T&L 10442  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

NOTE:

ALL CONSTRUCTION SHALL CONFORM WITH THE  
SOILS REPORT PREPARED BY GEO. TEX., INC.,  
DATED MARCH 24, 2005  
PROJECT No. S228-LA-05

- 1) Retaining and block wall footing  
depth should match the Geotechnical  
Evaluation. Since the footing depth  
depends upon the soil expansive nature  
and this is subject to grading and testing  
at the time of final construction, see the  
Geotechnical Report for more information
- 2) Retaining and block wall moisture  
barrier protection reference (B). See the  
Geotechnical Report for more information

FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAR DOES NOT LIE WITHIN  
A DESIGNATED SPECIAL FLOOD HAZARD AREA.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN  
HEREON ARE APPROXIMATE.  
ONLY, IT SHALL BE THE  
CONTRACTOR'S RESPONSIBILITY  
TO DETERMINE THE EXACT  
HORIZONTAL AND VERTICAL  
LOCATION OF ALL EXISTING  
UNDERGROUND OR OVER-  
HEAD UTILITIES PRIOR TO  
COMMENCING CONSTRUCTION.  
NO REPRESENTATION IS MADE  
THAT ALL EXISTING UTILITIES  
ARE SHOWN HEREON. THE  
ENGINEER ASSUMES NO  
RESPONSIBILITY FOR UTILITIES  
NOT SHOWN OR UTILITIES  
NOT SHOWN IN THEIR PROPER  
LOCATION.

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DATE	04-15-05
CHECKED BY	SH/D
DRAWN BY	GA
SCALE	1"=40'
SCALE (V)	1"=4'

3600 S. Eastern Avenue, Suite 300  
Phoenix, Arizona 85018-3909  
www.stanleyconsultants.com

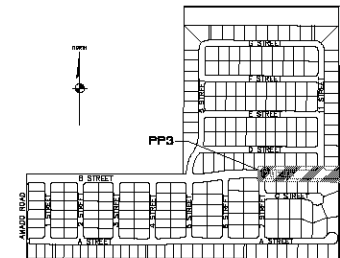
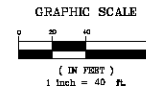
**Stanley Consultants Inc.**

RHODES HOMES ARIZONA, LLC  
AZTEC AT CHUAR  
B STREET PLAN AND PROFILE  
MOHAVE COUNTY

SHEET  
PP2  
34 OF 50 SHEETS  
SQ PROJECT#  
18100

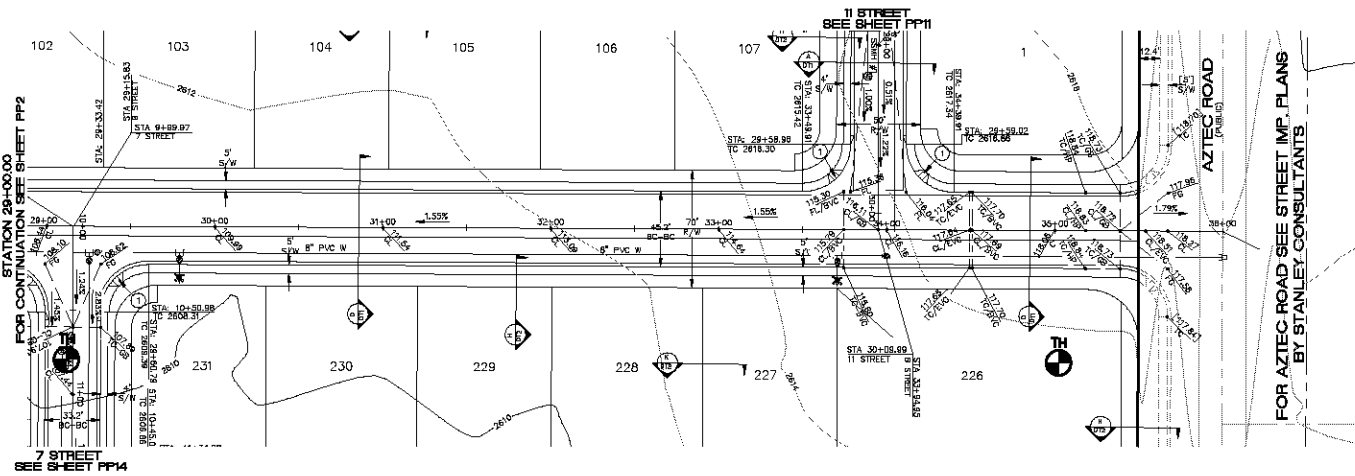
**CONSTRUCTION NOTES:**

① SIDEWALK ACCESS RAMP TYPE 'D' PER M.A.G. STANDARD DETAIL NO. 234

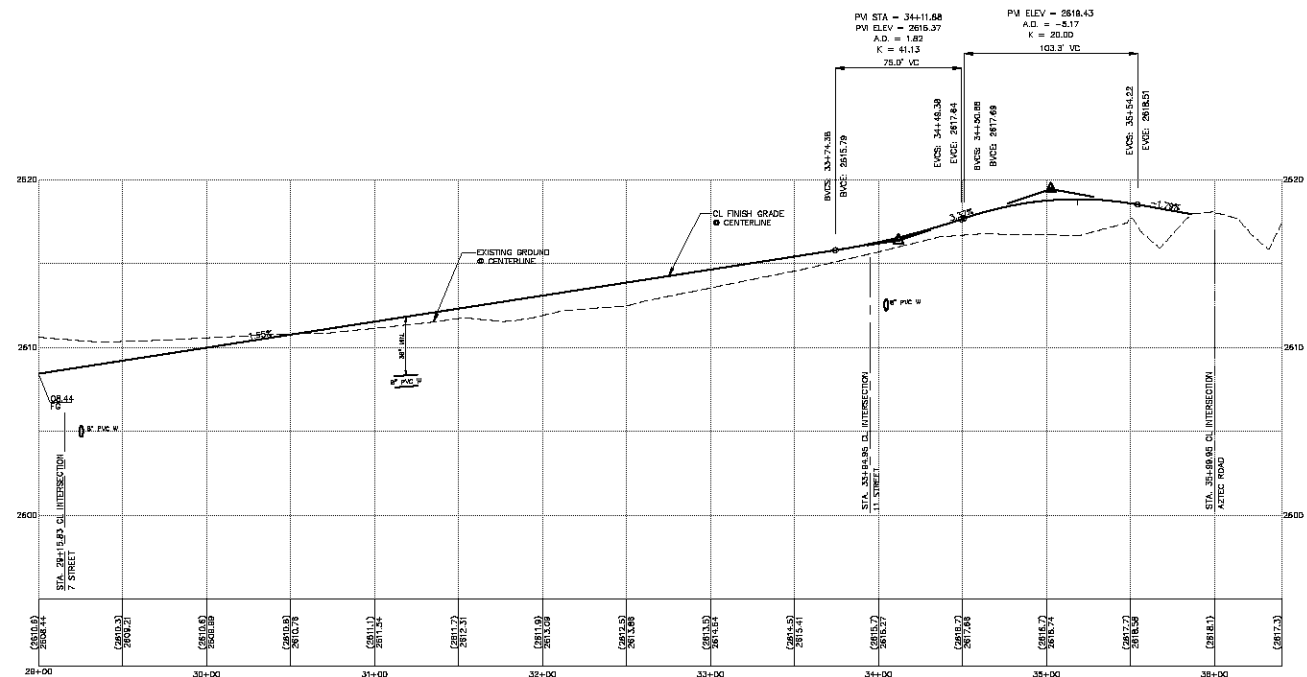


**LEGEND**

- = EXISTING GRADE
- = FUTURE GRADE
- = FLOWLINE ELEVATION
- = CENTERLINE FINISHED GRADE ELEVATION
- = TOP OF CURB ELEVATION
- = RATE & DIRECTION OF SLOPE
- = STATIONING AT BOC (CULDESAC)
- = PROPERTY LINE
- = RIGHT OF WAY
- = GRADE BREAK
- = CENTER LINE
- = EXISTING CONTOUR
- = LOT NUMBER
- = SUBDIVISION/UNIT BOUNDARY
- = 5 FT TRANSITION ("L" CURB TO "ROLL" CURB)
- = CURB & GUTTER
- = S/W RAMP



**B STREET (PRIVATE)**  
SCALE: HORIZONTAL = 1" = 40'  
VERTICAL = 1" = 4'



**BASIS OF BEARING**

NORTH 00°12'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, Q1A & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WP), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.  
N.G.S.D. "83 30" = LATITUDE 35°08'22.43032"N, LONGITUDE 114°07'58.58309"W (NAD 83)  
HEIGHT 2488.568241ft (NAVD83)

**BENCHMARK**

BENCHMARK: # "AZT 5" M.C.S.D.  
ELEVATION= 2659.468ft (NGVD '29)  
CONVERSION= 2662.014ft (NAVD 83) - 2.546 = 2659.468ft (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 T15 10342  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**NOTE:**

- 1) Retaining and break wall footing depths should match the Geotechnical Evaluation. Since the footing depths depend upon the soils expansive nature and this is subject to grading and testing at the time of final construction, see the Geotechnical Report for more information.
- 2) Retaining and break wall moisture barrier protection reference (B). See the Geotechnical Report for more information.

**FEMA FLOOD ZONE**

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAR DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

**DISCLAIMER NOTE**

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PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 04/15/05

**Stanley Consultants Inc.**

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www.stanleyconsultants.com

RHODES HOMES ARIZONA, LLC

AZTEC AT CHUAR

B STREET PLAN AND PROFILE

MOHAVE COUNTY

SHEET

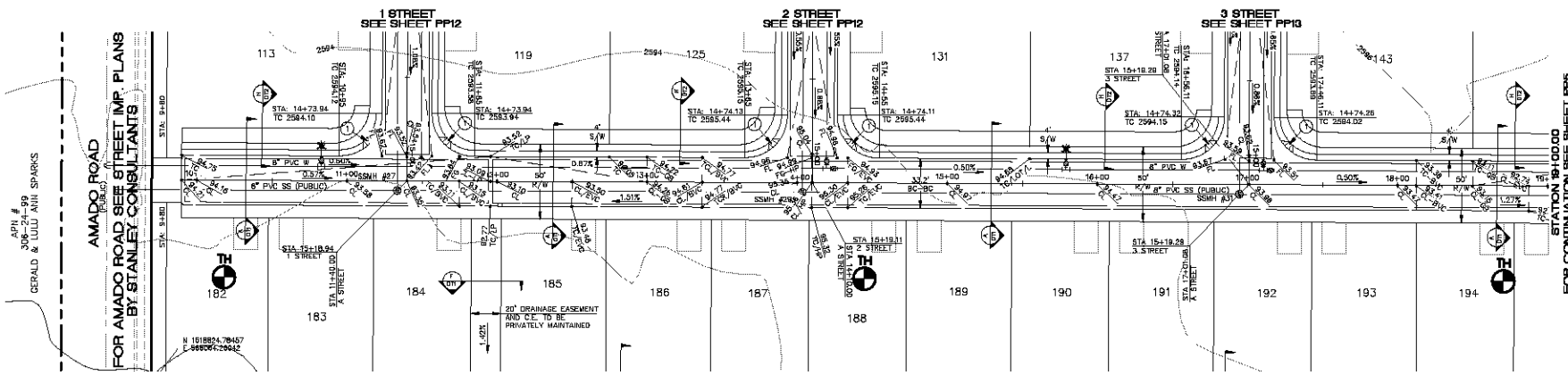
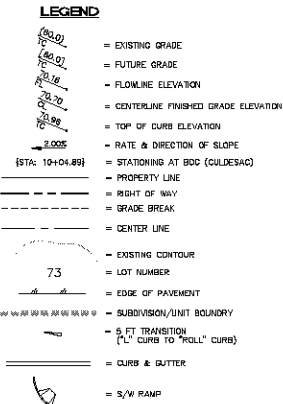
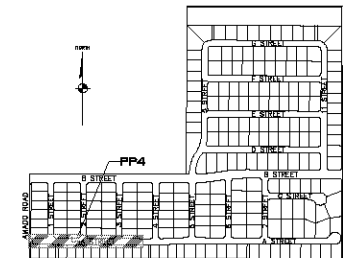
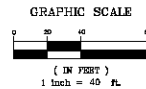
**PP3**

35 OF 50 SHEETS

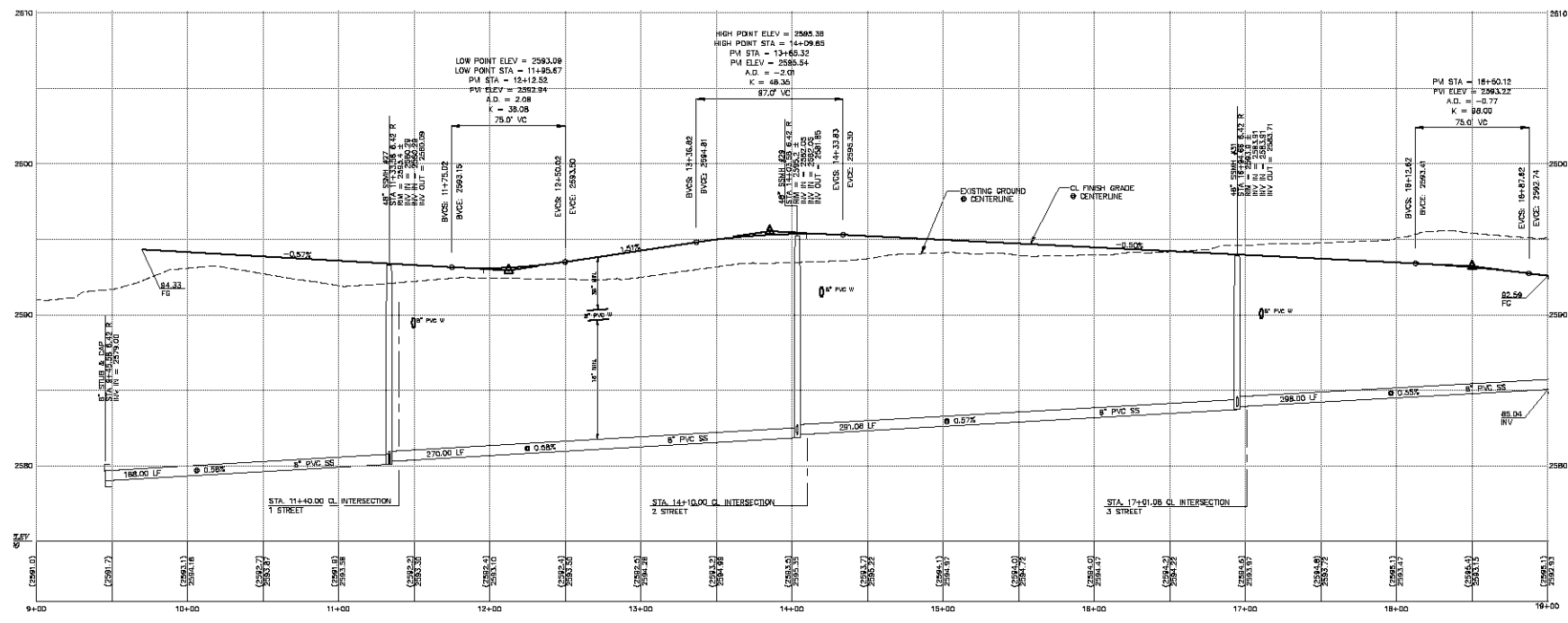
PROJECT# 18100

CONSTRUCTION NOTES:

① SIDEWALK ACCESS RAMP TYPE 'D' PER M.A.C. STANDARD DETAIL NO. 234



A STREET (PRIVATE)  
SCALE: HORIZONTAL = 1" = 40'  
VERTICAL = 1" = 4'



BASIS OF BEARING

NORTH 00°12'47" EAST - THE EAST LINE OF THE  
SOUTHEAST QUARTER (SE 1/4) OF SECTION 27,  
TOWNSHIP 21 NORTH, RANGE 18 WEST, Q1A & SALT  
RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF  
1983 (AZCS-83), WEST ZONE, INTERNATIONAL FOOT,  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.  
N.G.S.D. "SD 30" - LATITUDE 35°08'22.43032"N,  
LONGITUDE 114°07'58.98309"W (NAD 83)  
HEIGHT 2485.566241ft (NAVD83)

BENCHMARK

BENCHMARK: # "AZT 5" M.C.S.D.  
ELEVATION= 2659.468ft (NAVD 83)  
CONVERSION= 2662.014ft (NAVD 83) - 2.546 = 2659.468ft (NAVD 83)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 T&L 10342  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

NOTE:

ALL CONSTRUCTION SHALL CONFORM WITH THE  
SLOPE REPORT PREPARED BY GEO. TEX., INC.,  
DATED MARCH 24, 2005  
PROJECT No. 0268-CL-05

1) Retaining and block wall footing  
depths should match the Geotechnical  
Evaluation. Since the footing design  
depends upon the soil expansive nature  
and this is subject to grading and testing  
at the time of final construction, see the  
Geotechnical Report for more information

2) Retaining and block wall moisture  
barrier protection reference (BC). See the  
Geotechnical Report for more information

FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAR DOES NOT LIE WITHIN  
A DESIGNATED SPECIAL FLOOD HAZARD AREA.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN  
HEREIN ARE APPROXIMATE.  
ONLY, IT SHALL BE THE  
CONTRACTOR'S RESPONSIBILITY  
TO DETERMINE THE EXACT  
HORIZONTAL AND VERTICAL  
LOCATION OF ALL EXISTING  
UNDERGROUND OR OVER-  
HEAD UTILITIES PRIOR TO  
COMMENCING CONSTRUCTION.  
NO REPRESENTATION IS MADE  
THAT ALL EXISTING UTILITIES  
ARE SHOWN HEREIN. THE  
ENGINEER ASSUMES NO  
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NOT SHOWN OR UTILITIES  
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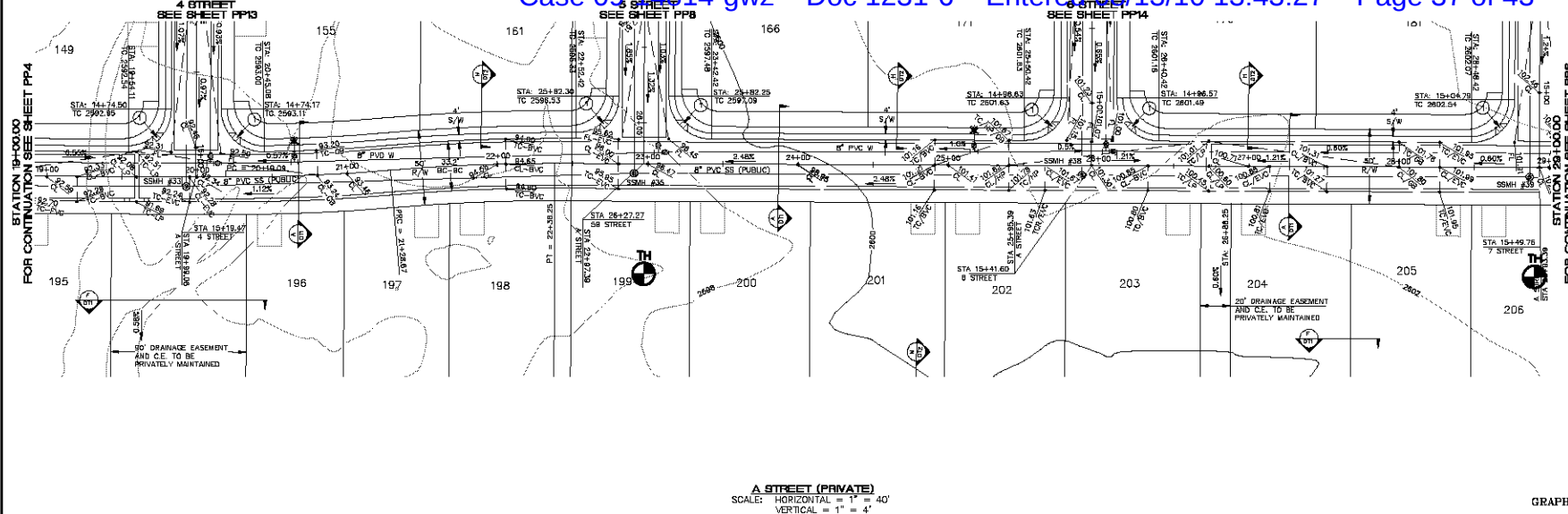
PRELIMINARY ISSUE FOR REVIEW  
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Phoenix, Arizona 85044  
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PHOENIX ARIZONA, LLC  
AZTEC AT CHUAR  
A STREET PLAN AND PROFILE  
MOHAVE COUNTY

SHEET  
PP4  
38 OF 50 SHEETS  
SQ PROJECT#  
18100

SCALE (H) 1"=40'  
SCALE (V) 1"=4'  
DRAWN BY: DA  
CHECKED BY: SH/DF  
DATE: 04-15-05

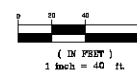


A STREET (PRIVATE)  
SCALE: HORIZONTAL = 1" = 40'  
VERTICAL = 1" = 4'

#### CONSTRUCTION NOTES

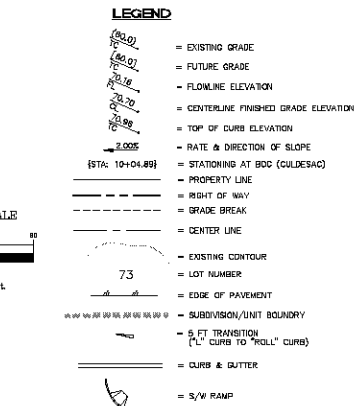
- 1) SIDEWALK ACCESS RAMP TYPE "D" PER M.A.S. STANDARD DETAIL NO. 234

#### GRAPHIC SCALE



#### KEYMAP

SCALE: 1" = 300'



#### BASIS OF BEARING

NORTH 0°12'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, Q1A & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (ACRS-83), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.  
N.C.S.D. "SD 30" = LATITUDE 36°08'22.43032"N, LONGITUDE 114°07'58.98309"W (NAD 83)  
HEIGHT 2488.568241R (NAVD 88)

#### BENCHMARK

BENCHMARK: # "AZT 5" M.C.S.D.  
ELEVATION= 2659.468R (NAVD 88)  
CONVERSION= 2662.011R (NAVD 88) - 2.54R = 2659.468R (NAVD 88)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 T15 10452  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

#### NOTE:

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TEX., INC., DATED MARCH 24, 2005  
PROJECT No. S228-CL-05

- 1) Retaining and block wall footing depth should match the Geotechnical Evaluation. Since the footing depth depends upon the soil expansive nature and this is subject to grading and testing at the time of final construction, see the Geotechnical Report for more information.
- 2) Retaining and block wall moisture barrier protection reference (B). See the Geotechnical Report for more information.

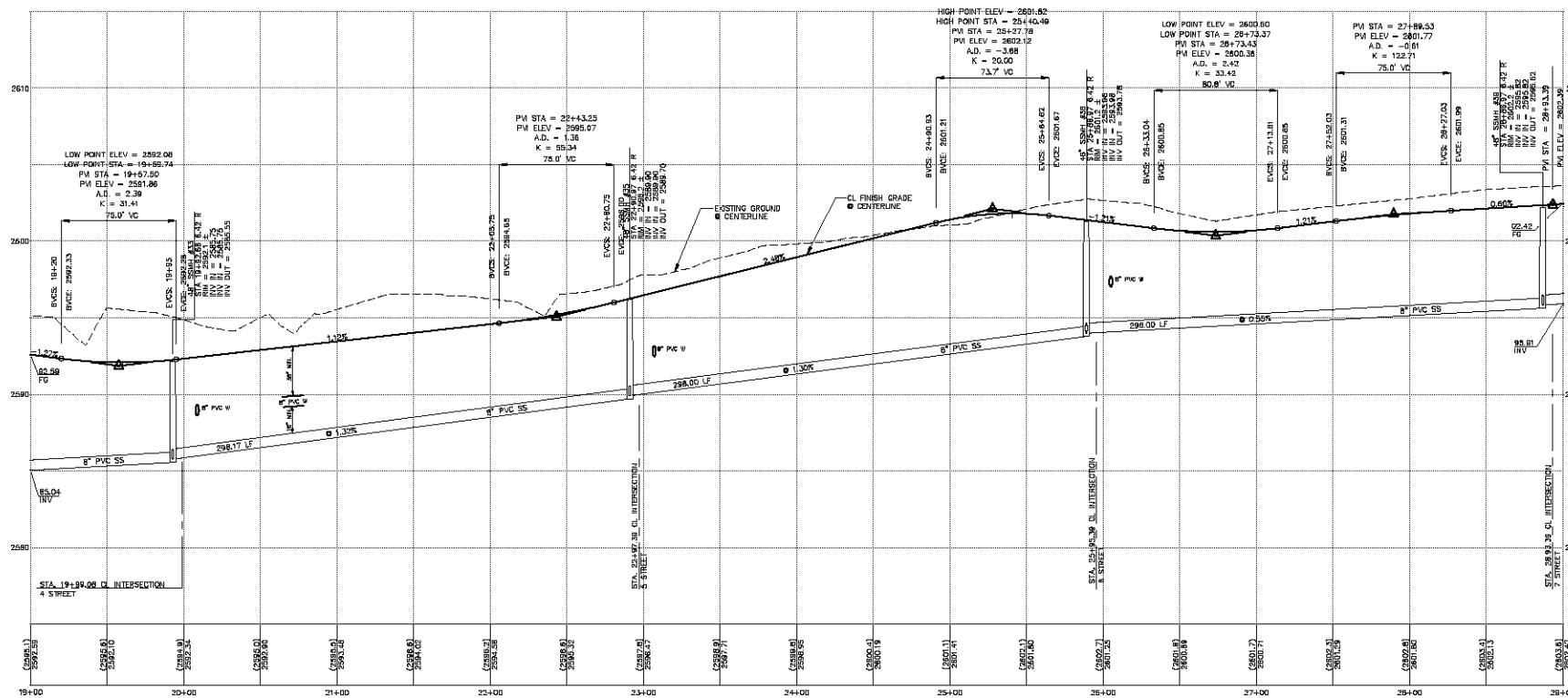
#### FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHAUAR DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

#### DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE. ONLY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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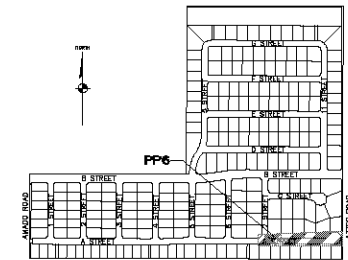
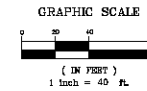
DATE	04-15-05
CHECKED BY	SH/DF
DRAWN BY	DA
SCALE	1" = 40'
SCALE	1" = 4'
SCALE	1" = 300'

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Phoenix, Arizona 85034  
www.stanleyconsultants.com

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RHODES HOMES ARIZONA, LLC  
AZTEC AT CHAUAR  
A STREET PLAN AND PROFILE  
SHEET  
PP5  
37 OF 50 SHEETS  
SQ PROJECT#  
18100

① SIDEWALK ACCESS RAMP TYPE 'D' PER M.A.G. STANDARD DETAIL NO. 234



**KEYMAP**  
SCALE: 1"=550'

### LEGEND

- 
- (STA: 10+04.49)
- = EXISTING GRADE
  - = FUTURE GRADE
  - = FLOWLINE ELEVATION
  - = CENTERLINE FINISHED GRADE ELEVATION
  - = TOP OF CURB ELEVATION
  - = RATE & DIRECTION OF SLOPE
  - = STATIONING AT BOC (GULDSAC)
  - = PROPERTY LINE
  - = RIGHT OF WAY
  - = GRADE BREAK
  - = CENTER LINE
  - = EXISTING CONTOUR
  - = LOT NUMBER
  - = EDGE OF PAVEMENT
  - = SUBDIVISION/UNIT BOUNDARY
  - = 5 FT TRANSITION ["L" CURBS TO "M" CURBS]
  - = CURB & GUTTER
- = S/W RAMP
- 

## BASIS OF BEARINGS

NORTH 00°12'47" EAST - THE EAST LINE OF THE  
SOUTHEAST QUARTER (SE 1/4) OF SECTION 27,  
TOWNSHIP 21 NORTH, RANGE 18 WEST, GLA & SALT  
RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF  
1983 (AZ83-VIF), WEST ZONE, INTERNATIONAL FOOT,  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 35" - LATITUDE 35°08'22.43032"N,  
LONGITUDE 114°10'58.58309"W (NAD '83)  
HEIGHT 2465.56824ft (NAVD'88)

## BENCHMARK

BENCHMARK: # "AZT 5" M.C.S.D.  
ELEVATION= 2659.468ft (NGVD '29)  
CONVERSION= 2662.014ft (NAVD '88) - 2.546 = 2659.468ft (NGVD '29)

DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "RLS 10343"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**NOTE:**

ALL CONSTRUCTION SHALL CONFORM WITH THE  
SOILS REPORT PREPARED BY GEO TEK, INC.  
DATED MARCH 28, 2005  
PROJECT No. 592B-LVB

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils expansive nature and this is subject to grading and testing at the time of final construction. See the Geotechnical Report for more information
- 2) Retaining and block walls moisture barrier protection reference IBC. See the Geotechnical Report for more information

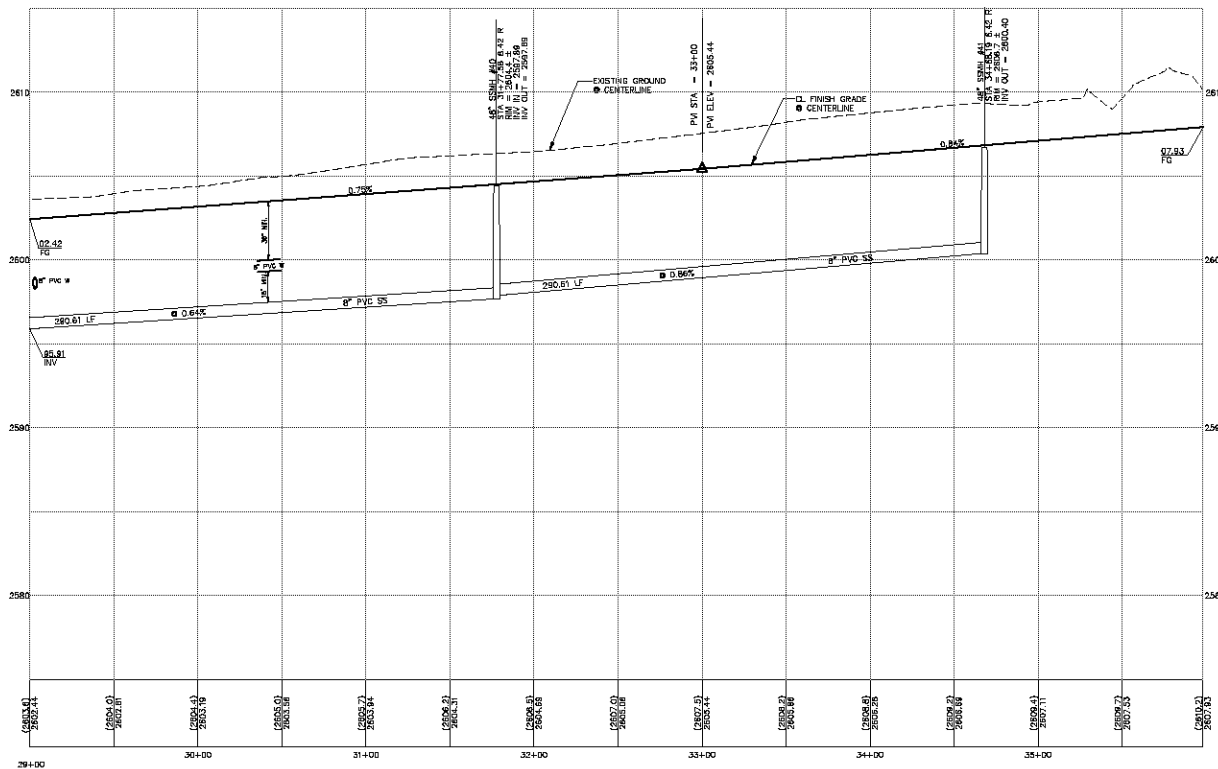
FEMA\_FLOOD\_ZONE

FLOOD ZONE DESIGNATION: FEMA-X  
 AZTEC AT CHUAR DOES NOT LIE WITHIN  
 A DESIGNATED SPECIAL FLOOD HAZARD AREA.

**DISCLAIMER NOTE**

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON UTILITIES LOCATION. THE CONTRACTOR SHALL LOCATE, IN THEIR PROPER LOCATION.

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[illegible]

SCALE (H) 1"=40'  
SCALE (V) 1"=4'  
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DATE 04-15-05



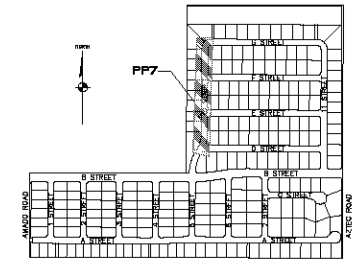
**Stanley Consultants INC.**













**RHODES HOMES ARIZONA, LLC**

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**AZTEC AT CHUAR**  
**A STREET PLAN AND PROFILE**

SHEET  
**PP6**  
OF 50 SHEETS  
SCI PROJECT#  
18100




 = EXISTING GRADE  

 = FUTURE GRADE  

 = FLOWLINE ELEVATION  

 = CENTERLINE FINISHED GRADE ELEVATION  

 = TOP OF CURB ELEVATION  

 = RATE & DIRECTION OF SLOPE  

 = STATIONING AT BOC (CULDESAC)  

 = PROPERTY LINE  

 = RIGHT OF WAY  

 = GRADE BREAK  

 = CENTER LINE  

 = EXISTING CONTOUR  

 = LOT NUMBER  

 = EDGE OF PAVEMENT  

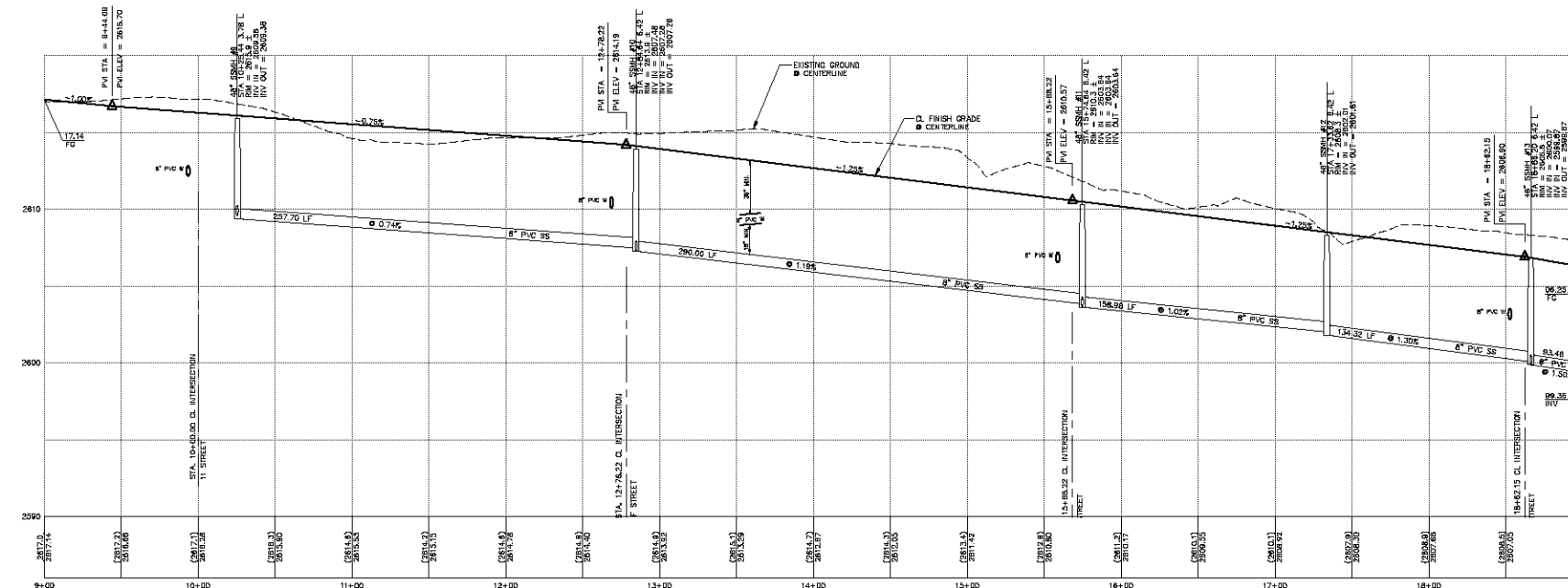
 = SUBDIVISION/UNIT BOUNDARY  

 = 5'-FT TRANSITION  
 ("L" CURBS TO "HOLL" CURBS)  

 = S/W & GUTTER  

 = S/W RAMP

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND GAS, OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



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SCALE (H) 1"=40'

SCALE (V) 1"=4'

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# Starts in

# CONCLUSION



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**5 STREET PLAN AND PROFILE**

### III

30 DF

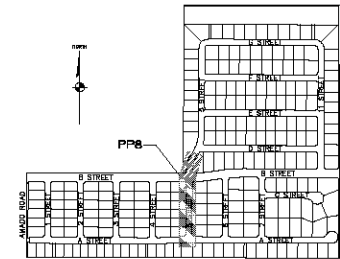
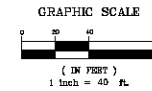
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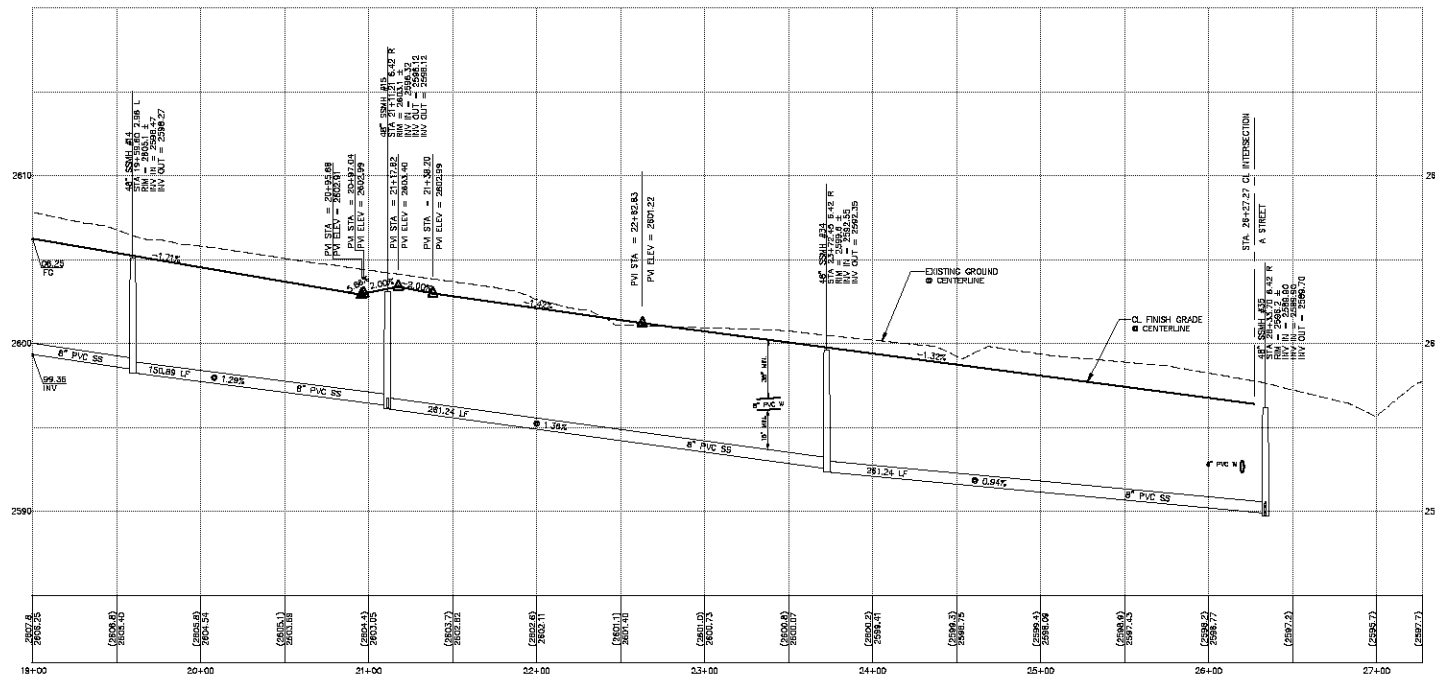
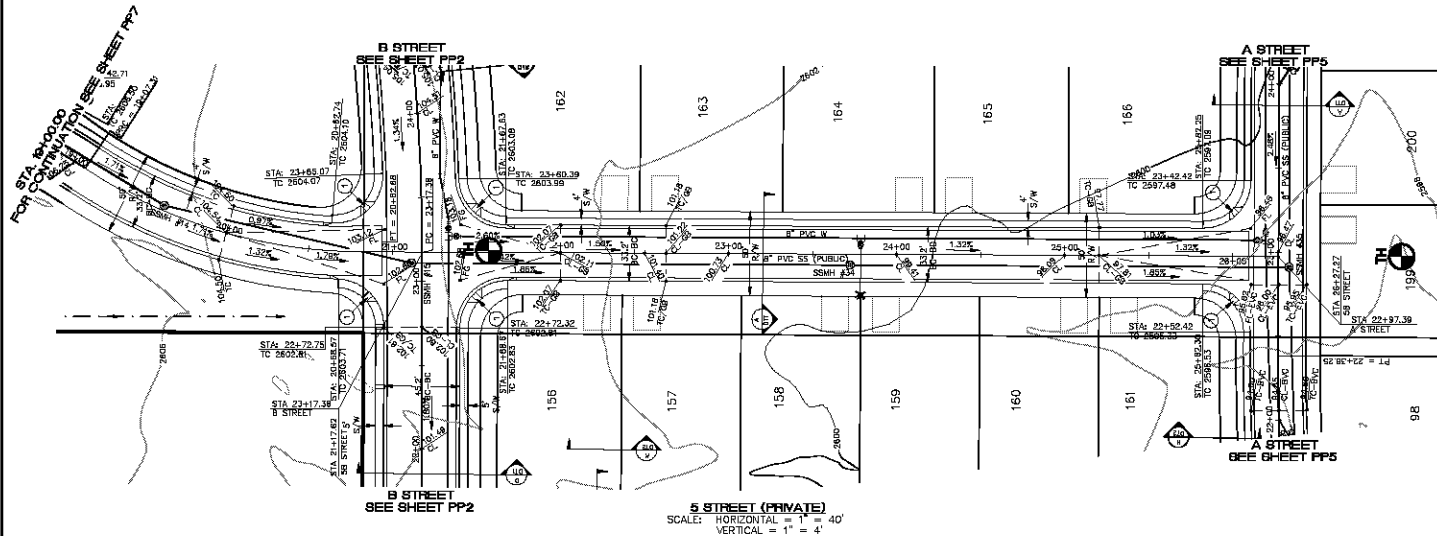
## CONSTRUCTION NOTES:

① SIDEWALK ACCESS RAMP TYPE 'D' PER M.A.C. STANDARD DETAIL NO. 234



## LEGEND

- (50.0) — = EXISTING GRADE
- (40.0) — = FUTURE GRADE
- (30.0) — = FLOWLINE ELEVATION
- (20.0) — = CENTERLINE FINISHED GRADE ELEVATION
- (10.0) — = TOP OF CURB ELEVATION
- (0.00) — = RATE & DIRECTION OF SLOPE
- (STA: 10+04.89) — = STATIONING AT BOC (CULDESAC)
- — — = PROPERTY LINE
- — — = RIGHT OF WAY
- — — = GRADE BREAK
- — — = CENTER LINE
- — — = EXISTING CONTOUR
- — — = LOT NUMBER
- — — = EDGE OF PAVEMENT
- — — = SUBDIVISION/UNIT BOUNDARY
- — — = 5 FT TRANSITION ("L" CURB TO "ROLL" CURB)
- — — = CURB & GUTTER
- — — = S/W RAMP

STATION 21+00.00  
FOR CONTINUATION SEE SHEET PP8

## BASIS OF BEARING

NORTH 00°24'47" EAST - THE EAST LINE OF THE  
SOUTHEAST QUARTER (SE 1/4) OF SECTION 27,  
TOWNSHIP 21 NORTH, RANGE 18 WEST, Q1A & SALT  
RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS  
DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF  
1983 (AZ83-WP), WEST ZONE, INTERNATIONAL FOOT,  
UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 30" - LATITUDE 36°08'22.43032"N,  
LONGITUDE 114°07'58.58309"W (NAD '83)  
HEIGHT 2488.568241ft (NAVD'88)

## BENCHMARK

BENCHMARK: # "AZT 5" M.C.S.D.  
ELEVATION= 2659.468ft (NAVD '88)  
CONVERSION= 2662.014ft (NAVD '83) - 2.546 = 2659.468ft (NAVD '89)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1989 TELS 10042  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

## NOTE:

ALL CONSTRUCTION SHALL CONFORM WITH THE  
SOILS REPORT PREPARED BY GEO. TEX., INC.,  
DATED MARCH 24, 2005  
PROJECT No. S268-L-18

- 1) Retaining and break wall footing  
depth should match the Geotechnical  
Evaluation. Since the footing depth  
depends upon the soil expansive nature  
and this is subject to grading and testing  
at the time of final construction, see the  
Geotechnical Report for more information
- 2) Retaining and back wall moisture  
barrier protection reference (B). See the  
Geotechnical Report for more information

## FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAR DOES NOT LIE WITHIN  
A DESIGNATED SPECIAL FLOOD HAZARD AREA.

## DISCLAIMER NOTE

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HEAD UTILITIES PRIOR TO  
COMMENCING CONSTRUCTION.  
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SCALE	1"=40'
SCALE (V)	1"=4'
SCALE (H)	1"=40'

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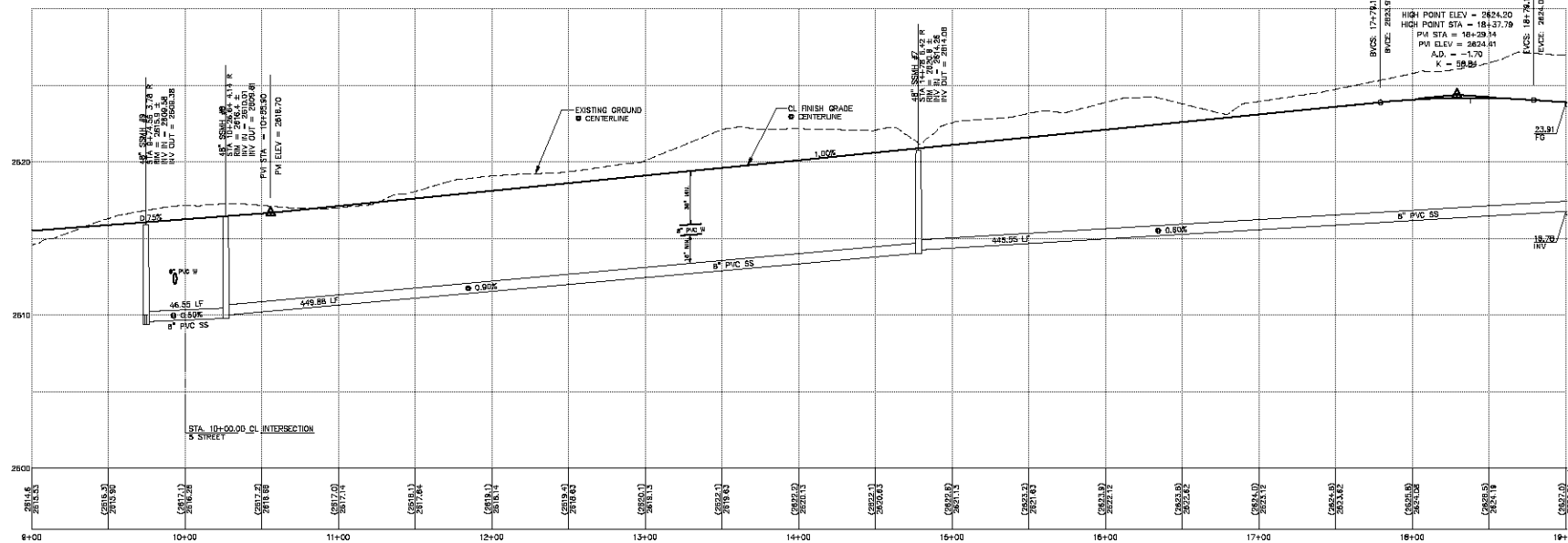
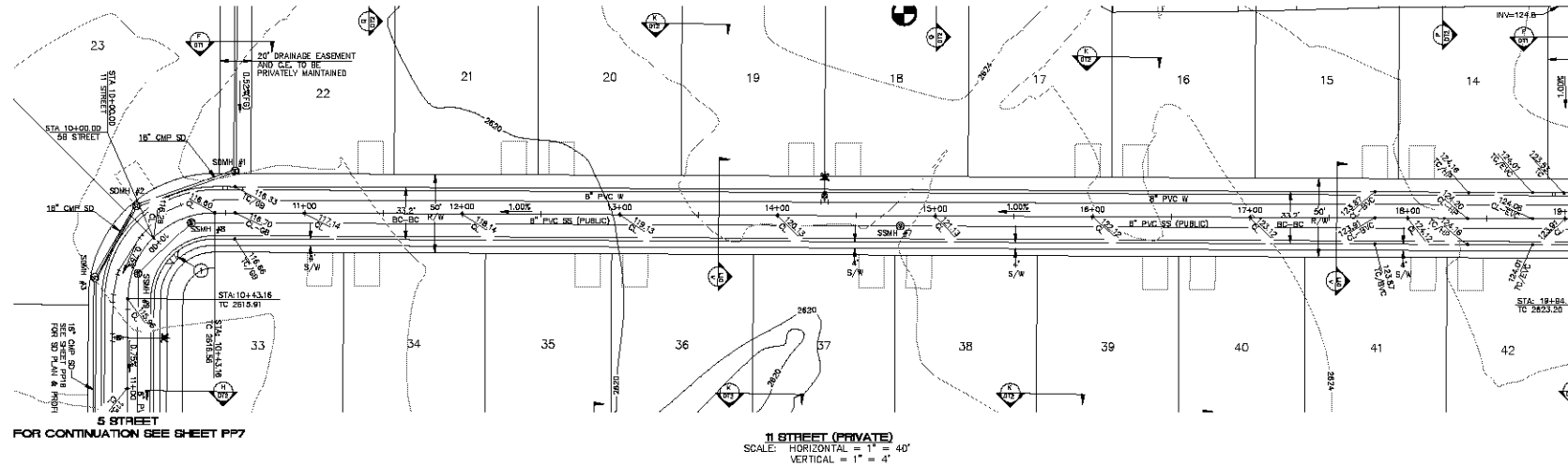
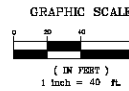
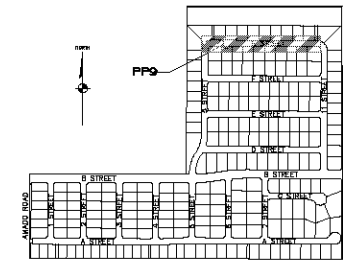
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ARIZONA

RHODES HOMES ARIZONA, LLC  
AZTEC AT CHUAR  
5 STREET PLAN AND PROFILE  
MOHAVE COUNTY

SHEET  
PP8  
40 OF 50 SHEETS  
SQ PROJECT#  
18100

## CONSTRUCTION NOTES:

① SIDEWALK ACCESS RAMP TYPE 'D' PER M.A.C. STANDARD DETAIL NO. 234

PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 04/15/05

## LEGEND

- = EXISTING GRADE
- - - = FUTURE GRADE
- - - = FLOWLINE ELEVATION
- - - = CENTERLINE FINISHED GRADE ELEVATION
- - - = TOP OF CURB ELEVATION
- - - = RATE & DIRECTION OF SLOPE
- - - = STATIONING AT BOC (CULDESAC)
- - - = PROPERTY LINE
- - - = RIGHT OF WAY
- - - = GRADE BREAK
- - - = CENTER LINE
- - - = EXISTING CONTOUR
- - - = LOT NUMBER
- - - = SUBDIVISION/UNIT BOUNDARY
- - - = 5 FT TRANSITION ("L" CURBS TO "MILL" CURBS)
- - - = CURB & GUTTER
- - - = S/W RAMP

## BASIS OF BEARING

NORTH 00°12'47" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, Q1A & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WP), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 30" - LATITUDE 35°08'22.43032"N, LONGITUDE 114°07'58.58309"W (NAD '83)  
HEIGHT 2488.568241R (NAVD'88)

## BENCHMARK

BENCHMARK: # "AZT 5" M.C.S.D.  
ELEVATION= 2659.488R (NOVD '29)  
CONVERSION= 2662.014R (NAVD '83) - 2.546 = 2659.468R (NOVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 TELS 10042  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

## NOTE:

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TEX., INC., DATED MARCH 24, 2005, PROJECT NO. 02028-CL-05.

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depths depend upon the soil expansive nature and this is subject to grading and footing at the time of final construction, see the Geotechnical Report for more information.
- 2) Retaining and block wall moisture barrier protection reference (BC). See the Geotechnical Report for more information.

## FEMA FLOOD ZONE

FLOOD ZONE DESIGNATION: FEMA-K  
AZTEC AT CHAUAR DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

## DISCLAIMER NOTE

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1-978-755-5591




DATE	04-15-05
CHECKED BY	SH/D
DRAWN BY	DA
SCALE	1" = 40'
SCALE (V)	1" = 4'
SCALE (H)	1" = 40'

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PHOENIX, ARIZONA, LLC  
AZTEC AT CHAUAR  
11 STREET PLAN AND PROFILE  
MOHAVE COUNTY

SHEET  
PP9  
41 OF 50 SHEETS  
SQ PROJECT#  
18100

**GRAPHIC SCALE**



( IN FEET )  
1 inch = 40 ft.



**LEGEND**

- ## BASIS OF BEARINGS

M.C.S.D. "SD 35" - LATITUDE 35°08'22.43032"N,  
LONGITUDE 114°10'58.58309"W (NAD '83)  
HEIGHT 2455.56824ft (NAVD'88)

## BENCHMARK

BENCHMARK # "AZT 5" M.C.S.D.  
ELEVATION= 2859.488ft (NGVD '29)  
CONVERSION= 2882.014ft (NAVD '88) - 2.546 = 2859.488ft (NGVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 "RLS 10343"  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**NOTE:**

ALL CONSTRUCTION SHALL CONFORM WITH THE  
SOILS REPORT PREPARED BY GEO TEK, INC.  
DATED MARCH 28, 2005  
PROJECT No. 592B-LVB

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depth depends upon the soils expansive nature and this is subject to grading and testing at the time of final construction. See the Geotechnical Report for more information
- 2) Retaining and block walls moisture barrier protection reference IBC. See the Geotechnical Report for more information

## FEMA\_FLOOD\_ZONE

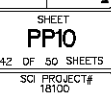
FLOOD ZONE DESIGNATION: FEMA-X  
 AZTEC AT CHUAR DOES NOT LIE WITHIN  
 A DESIGNATED SPECIAL FLOOD HAZARD AREA.

**DISCLAIMER NOTE**

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

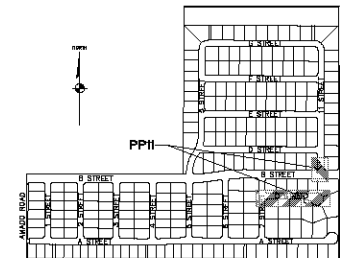
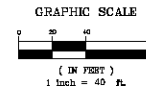
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 line contact.  
 Call  
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 1-978-753-5591  
 (922-6171)



**CONSTRUCTION NOTES:**

- ① SIDEWALK ACCESS RAMP TYPE 'D' PER M.A.C. STANDARD DETAIL NO. 234



**KEYMAP**  
SCALE: 1"=500'

**LEGEND**

- = EXISTING GRADE
- = FUTURE GRADE
- = FLOWLINE ELEVATION
- = CENTERLINE FINISHED GRADE ELEVATION
- = TOP OF CURB ELEVATION
- = RATE & DIRECTION OF SLOPE
- = STATIONING AT BOC (CULDESAC)
- = PROPERTY LINE
- = RIGHT OF WAY
- = GRADE BREAK
- = CENTER LINE
- = EXISTING CONTOUR
- = LOT NUMBER
- = EDGE OF PAVEMENT
- = SUBDIVISION/UNIT BOUNDARY
- = 5 FT TRANSITION "L" CURB TO "ROLL" CURB
- = CURB & GUTTER
- = S/W RAMP

**BASIS OF BEARING**

NORTH 00°14'17" EAST - THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 21 NORTH, RANGE 18 WEST, Q1A & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZCS-83), WEST ZONE, INTERNATIONAL FOOT, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

N.C.S.D. "SD 35" - LATITUDE 35°08'22.43032"N, LONGITUDE 114°07'58.58309"W (NAD '83)  
HEIGHT 2485.568241ft (NAVD'83)

**BENCHMARK**

BENCHMARK: # "AZT 5" M.C.S.D.  
ELEVATION= 2859.488ft (NOVD '29)  
CONVERSION= 2862.014ft (NAVD '83) - 2.546' = 2859.488ft (NOVD '29)  
DESCRIPTION: 1 1/2" ALUMINUM CAP IN CONCRETE  
STAMP MOHAVE COUNTY 1999 T15 10442  
LOCATED AT THE SOUTHWEST CORNER OF AZTEC ROAD & BOLSA DRIVE.

**NOTE:**

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS REPORT PREPARED BY GEO. TEX., INC., DATED MARCH 24, 2005, PROJECT No. S228-CL-18.

- 1) Retaining and block wall footing depths should match the Geotechnical Evaluation. Since the footing depths depend upon the soils expansive nature and this is subject to grading and testing at the time of final construction, see the Geotechnical Report for more information.
- 2) Retaining and block wall moisture barrier protection reference (BC). See the Geotechnical Report for more information.

**FEMA FLOOD ZONE**

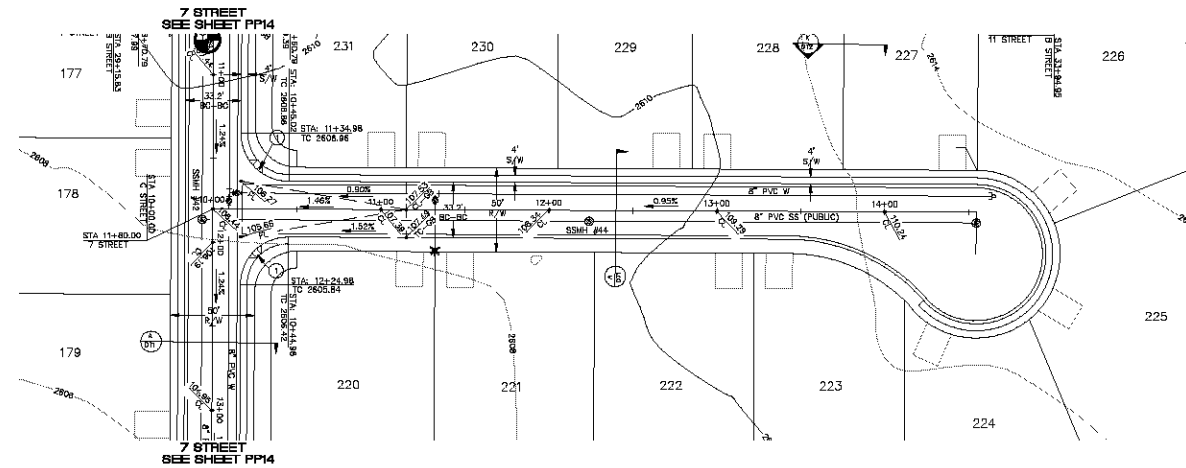
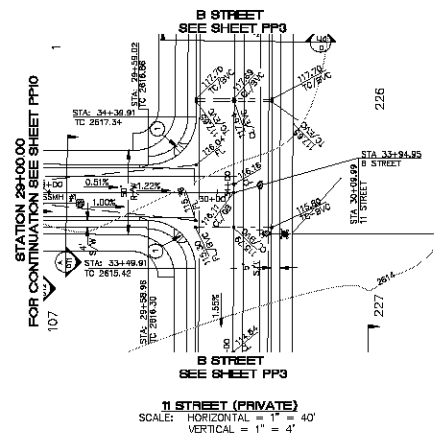
FLOOD ZONE DESIGNATION: FEMA-X  
AZTEC AT CHUAR DOES NOT LIE WITHIN A DESIGNATED SPECIAL FLOOD HAZARD AREA.

**DISCLAIMER NOTE**

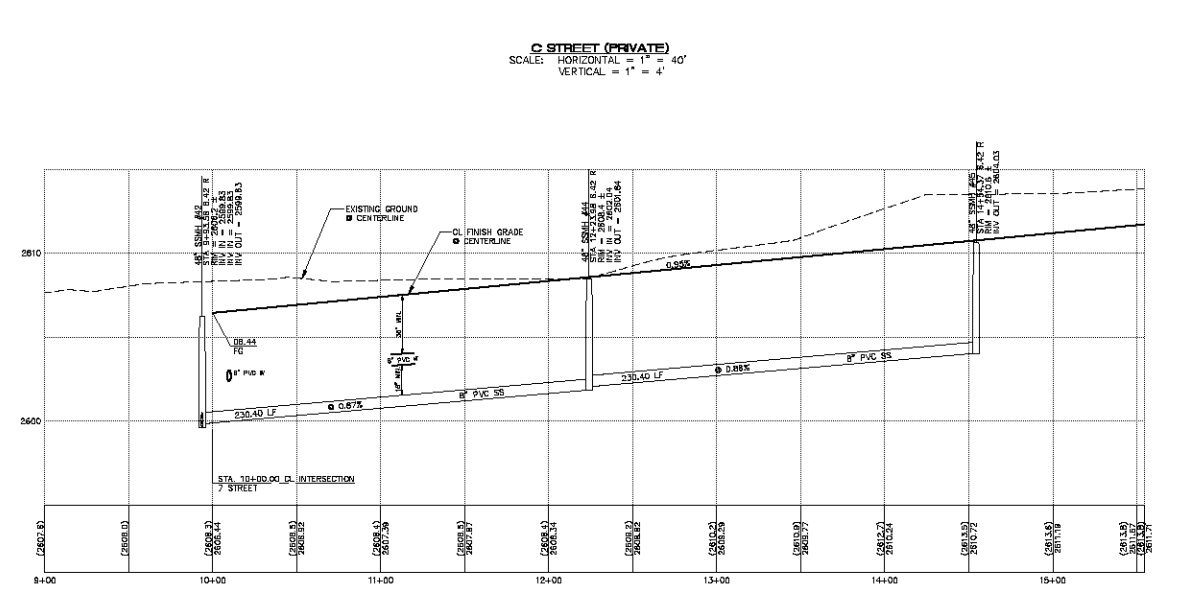
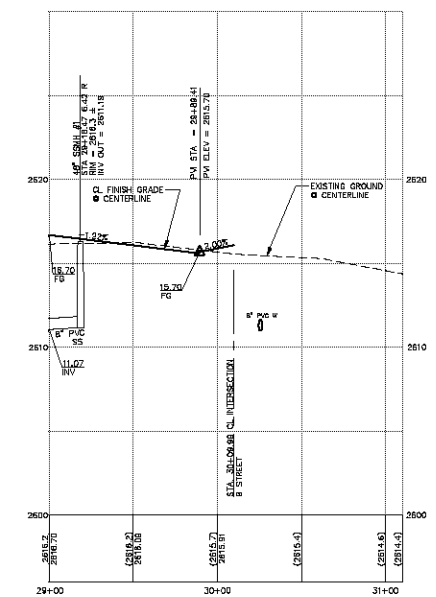
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**C STREET (PRIVATE)**  
SCALE: HORIZONTAL = 1" = 40'  
VERTICAL = 1" = 4'



PRELIMINARY ISSUE FOR REVIEW  
NOT FOR CONSTRUCTION 04/15/05

**Stanley Consultants Inc.**

PHOENIX, ARIZONA, LLC  
AZTEC AT CHUAR  
11 STREET AND C STREET PLAN AND PROFILE  
MOHAVE COUNTY

SHEET  
**PP11**  
43 OF 50 SHEETS  
SQ. PROJECT# 18100